BIG BOLD & BRAVE

STUDENTS TODAY FUTURE LEADERS

Undergraduate Catalog
2023–2024

NKU NORTHERN KENTUCKY UNIVERSITY

Cover Design by Vatthana "V" Long
BFA Student, Visual Communication Design

About the Cover
This year's undergraduate design celebrates the voice and attitude of NKU's students. Titled, "Big, Bold, & Brave," the design uses large letterforms to depict the bold spirit of both new and existing classmates on campus, their willingness to explore new horizons, and their universal drive to make an impact in class, and eventually in the real world. In the end, both share one goal: to be students today and to become leaders tomorrow.

The catalog cover design and the online catalog banner graphic were designed by Vatthana "V" Long under the art direction of Professor Julie Mader-Meersman as an independent project for the Office of the Registrar.

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Catalog Home

The Catalog

The university's catalog is the document of authority for all students. It contains detailed information that will help students succeed in their degree and certificate programs, have a positive university experience, and graduate in a timely manner. The catalog contains information on domestic and international admissions; tuition and fees; degree requirements for every program; general education requirements; university-wide graduation requirements; academic opportunities; support services; enrichment opportunities; university policies and procedures; and faculty and administration. It also contains a brief description of each of the courses offered by the university. Students are strongly urged to read the catalog carefully and work closely with their advisors.

Catalogs for the current academic year, and 12 prior years, are available on the website (http://catalog.nku.edu).

Catalog Changes

The information contained in the catalog is accurate at the time of publication. However, Northern Kentucky University reserves the right to change regulations, policies, fees, services, and curricula through official actions of the NKU administration, its Board of Regents, or the Kentucky Council on Postsecondary Education.

University Accreditation

Northern Kentucky University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters and doctoral degrees. Contact SACS/COC (http://sacscoc.org) at 1866 Southern Lane, Decatur, GA 30033-4097 or call 404-679-4500 for questions about the accreditation of Northern Kentucky University.

Employment and Earnings of Kentucky College Graduates

Aggregate data on degrees and salary for all Kentucky colleges and universities is available from Kentucky's Office for Education and Workforce Statistics (https://kcews.ky.gov/Reports/EmploymentEarningsJan2013.pdf). This data may be helpful to students seeking to match educational goals with jobs and professions, and in finding out about students who go on to pursue advanced degrees, average wages for various degree categories, and some insights into what happens to students who leave without a credential and do not continue their education elsewhere.

Disclosures

This publication was prepared by Northern Kentucky University and printed with state funds (KRS 57.375). NKU is an affirmative action/equal opportunity institution.

About NKU

Mission

As a public comprehensive university located in a major metropolitan area, Northern Kentucky University delivers innovative, student-centered education and engages in impactful, scholarly and creative endeavors, all of which empower our graduates to have fulfilling careers and meaningful lives, while contributing to the economic, civic, and social vitality of the region.

Our Vision

Northern Kentucky University will be acclaimed by students, alumni, the region, and the commonwealth for:

Our Success...in preparing graduates for a global society.
Our Contribution...to regional progress and economic growth.
Our Delivery...of distinctive academic programs.
Our Dedication...to the development and wellbeing of our people.
Our Effectiveness...in securing and managing resources sustainably.

Our Core Values

These are the core values that Northern Kentucky University embraces as we go about our work:

We will promote a culture that fosters and celebrates EXCELLENCE in all that we do.
We will engage in honest, fair, and ethical behavior with INTEGRITY at the heart of every decision and action.
Ours will be a community that embraces INCLUSIVENESS, diversity, and global awareness in all dimensions of our work.
We will approach our work - how we teach, engage, and serve - with creativity and INNOVATION.
We will maintain a climate of COLLEGIALITY built on respect and characterized by open communication and shared responsibility.

Institutional History

NKU is the youngest of Kentucky's eight state universities. The university's roots go back to 1948 when the University of Kentucky established a two-year community college in Covington. In 1962 the extension branch was renamed Northern Community College. Five years later, a grassroots petition asking for a new college in the region was signed by more than 3,000 people including children, many of whom would someday graduate from NKU. As a result, an independent four-year degree-granting institution was created in 1968 by then-governor Louie B. Nunn, who signed legislation to establish Northern Kentucky State College, which eventually became Northern Kentucky University.

In late 1969, Dr. Frank Steely was selected as NKU's first president. He immediately began work to hire faculty and staff, obtain funding, and oversee building construction. From 1970 to 1972, undergraduate courses were offered at the old community college's

location until Nunn Hall was completed in Highland Heights. When Nunn Hall opened in 1972, it constituted all of NKSC: the president's office, classrooms, library, bookstore, vending machines - everything was located there.

Rapid growth occurred during the early years: nine buildings were constructed in the 1970s. The Salmon P. Chase Law School of Cincinnati merged with NKSC in 1971, and the first intercollegiate men's basketball game was held that year. The first NKSC commencement ceremony was in the spring of 1973; graduate programs were added in 1975; the state college became a full-fledged university in 1976; and before the end of the decade the athletics program was winning regional championships. Chase Law School moved to the main campus in 1982. The first residence hall also opened that year, marking a shift from a student body composed exclusively of local commuters to a more diverse one from across the nation and the globe. When President Steely resigned in September 1975, the school enrolled almost 4,300 students.

Dr. A. D. Albright served as the second president, leading the institution from 1976-83. During his term, additional academic buildings opened and eased overcrowding. The 1977 opening of the University Center with a place to eat, meet, and hold student activities brought a more traditional campus feel. In 1983, at the end of Dr. Albright's presidency, the school enrolled about 8,500 students and employed 1,160 faculty and staff.

In the 1980s and early 1990s, NKU began to focus on its place in the region and the world. Dr. Leon Boothe, president from 1983-97, sought to diversify the university by initiating an international exchange program. He also led the first capital campaign in response to state funding cuts that reached a cumulative 30 percent of the university's state appropriation. At the end of Dr. Boothe's presidency, enrollment stood at 11,785, and 1,584 faculty and staff served the university.

Dr. James C. Votruba became NKU's fourth president in 1997 and retired from the position in the summer of 2012. Under his leadership, new programs were added including cutting-edge undergraduate programs, many more master's degree options, and two doctoral programs. Numerous buildings were built during his tenure including the Dorothy Westerman Herrmann Natural Science Center, the James C. and Rachel M. Votruba Student Union - named for President and Mrs. Votruba upon his retirement as president - The Bank of Kentucky Center, and NKU's newest building: the super-high-tech Griffin Hall, home to the College of Informatics. Throughout his presidency, Dr. Votruba built on the concept of NKU as a metropolitan university, calling on the whole campus to become locally and regionally engaged for the benefit not just of the campus but also the community at large. On numerous occasions, NKU has been recognized nationally for its success in sharing knowledge through public engagement.

NKU's athletics program was very successful during Dr. Votruba's tenure as president. As a member of NCAA Division II, NKU won three national championships and 22 regional titles. The university's first national athletics championship was earned by the women's basketball team in 2000. When the women repeated in 2008, they became the first women's team in Kentucky to win two national championships. The men's soccer team followed in 2010 with a national title of its own.

At the end of Dr. Votruba's presidency, NKU employed about 2,030 faculty and staff who served close to 15,800 students: 85 percent undergraduates, 11 percent graduate students, and 3 percent law students.

NKU named its fifth president, Geoffrey S. Mearns, a former federal prosecutor, law school dean and provost, in 2012. Under his leadership, the university continued to excel and attract high-achieving students who benefited from a student-centered faculty and extremely dedicated administrators and staff.

Following a storied Division II tenure, the athletics program reclassified to Division I beginning in 2012, joining the Atlantic Sun conference. In July 2015, NKU moved to the Horizon League, with member schools located in Kentucky, Ohio, Michigan, Indiana, Illinois and Wisconsin.

NKU Today

Today, NKU is a vibrant, exciting center of teaching and learning, research and creative work, and service to the northern Kentucky region, the commonwealth, the nation and the world.

In July 2018, the university welcomed its sixth president, Dr. Ashish Vaidya. Prior to joining NKU, Dr. Vaidya served as the interim president of St. Cloud State University in Minnesota. The university also opened the Institute for Health Innovation (IHI), a transdisciplinary center that furthers NKU's commitment impacting population health issues. The IHI brings together programs and departments across the university to prepare graduates for real-world challenges. The Institute is housed in the Health Innovation Center (HIC), NKU's new state-of-the-art facility that opened in the fall of 2018.

NKU offers associate degrees in a limited number of areas and eight bachelor degrees: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Fine Arts (B.F.A.), Bachelor of Music (B.M.), Bachelor of Music Education (B.M.E.), Bachelor of Science in Nursing (B.S.N.), Bachelor of Social Work (B.S.W.), and Bachelor of Science in Business Administration (B.S.B.A.). Undergraduate students have a choice of 73 majors and 89 minors. Students can also choose from among more than 200 student clubs and organizations ranging from disciplinary clubs such as the biology club to service organizations, advocacy groups, Greek organizations, sports clubs, faith-based organizations, leadership societies and more.

Since active NCAA Division I membership was granted in 2016, NKU athletics wasted little time making its presence felt on the national scene. Women's soccer won the Horizon League Tournament and reached the NCAA Tournament that fall. Men's basketball followed in March with the University's second Horizon League Tournament title and faced Kentucky in the NCAA Tournament in front of 4.93-million viewers on CBS. Since then,

NKU has added a Horizon League regular-season title in men's basketball and several individual league titles as well.

Accreditations

Northern Kentucky University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctoral degrees. Contact SACSCOC at 1866 Southern Lane, Decatur, GA, 30033-4097 or call 404-679-4500 for questions about the accreditation of Northern Kentucky University.

The following organizations have accredited specific NKU programs: AACSB International-the Association to Advance Collegiate Schools of Business; American Bar Association (ABA); American Chemical Society (ACS); American Council for Construction Education (ACCE); Commission on Accreditation of Athletic Training Education (CAATE); Commission on Accreditation for Respiratory Care (CoARC); Council on Social Work Education (CSWE); Joint Review Committee on Education in Radiologic Technology (JRCERT); National Association of Schools of Music (NASM); National Association of Schools of Public Affairs and Administration (NASPAA); National Council for Accreditation of Teacher Education (NCATE); Council for Accreditation of Educator Preparation (CAEP); Commission on Collegiate Nursing Education (CCNE); Engineering Technology Accreditation Commission (ETAC); Accreditation Board for Engineering and Technology ABET, Inc; and Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Campus Map

NKU makes available online a variety of campus maps (http://nku.edu/campusmaps.html) including: a three-dimensional view of the Highland Heights campus with links and information about each building; a regional map showing the location of the Highland Heights campus, NKU's Grant County Center, and NKU's METS Center; and driving directions to the Highland Heights campus.

Campus Calendars

NKU provides a variety of calendars (http://nku.edu/calendars.html) online, including a public events calendar (http.nkuconnections.nku.edu), specific calendars for athletics (http://nkunorse.com) and music (http://artscience.nku.edu/departments/music/concerts.html) events, and several academic calendars (http://inside.nku.edu/registrar/calendars.html).

Admissions and Enrollment

General Admissions Information

Office: **Undergraduate Admissions**
Location: NKU One Stop AC 301
Telephone: 800-637-9948 -- OR -- 859-572-5220
Web Address: http://admissions.nku.edu
Web Address (Transfer): https://nku.edu/admissions/transfer.html
Director: Derrick Robertson

Northern Kentucky University invites undergraduate and graduate students to apply for admission to NKU as freshmen, transfer students, readmitted students, post-baccalaureate students, international students, and non-degree students.

This section discusses the application process for all prospective students except international and graduate students. Information for international students is provided in the International Admissions and Enrollment section. Graduate students should refer to the graduate catalog.

Potential applicants are encouraged to contact the Office of Undergraduate Admissions if they have questions or would like assistance with the application process.

All students shall be free from discrimination based on race, color, ethnic origin, national origin, color, creed, religion, age, gender, marital status, sexual orientation, uniform service or veteran status, physical or mental disability or political belief.

Important Admission Deadlines*

Freshman	**For Fall Semester**	**For Spring Semester**
Early Action	February 15	
Priority		November 1
Assured Consideration	May 1	
Enrollment Confirmation	May 1	December 1
Final Deadline	July 1	December 1

Transfer/Post-Baccalaureate/Readmission/Non-Degree		
Priority	May 1	November 1
Assured Consideration	June 1	
Enrollment Confirmation (does not apply to post-baccalaureate or readmits)	May 1	December 1
Final Deadline	July 1	December 1

Deadline Definitions

Early Action

Students interested in NKU freshman scholarship opportunities must apply by this deadline. A separate scholarship application is required for some scholarships and must be submitted by the early action date.

Priority

For freshman applicants applying for spring semester admission: Students meeting this deadline will be invited to participate in a December orientation and advising session.

For transfer/post-bachelor/readmission applicants: This deadline ensures adequate time for full consideration of the application file and allows time to schedule an advising appointment prior to selecting classes.

Assured Consideration

Students applying after this deadline risk not being admitted if NKU reaches capacity for new freshmen or transfer students. Applicants could be placed on a waiting list, deferred to a subsequent semester, or denied admission.

Enrollment Confirmation

This is the deadline by which students must confirm their intention to enroll by submitting the nonrefundable confirmation fee.

Final Deadline

This is the last date a student can submit an application for admission consideration.

Admission Requirements and Procedures

Freshman Applicants

A freshman applicant is a prospective student who has not attempted coursework at a regionally accredited college or university (other than college credit earned while in high school or during the summer immediately following high school graduation). Prospective freshmen are strongly encouraged to apply for admission early in their senior year. To be considered for admission as a freshman, applicants must submit the following:

- An online application form (http://apply.nku.edu).
- A $40 nonrefundable application fee.*
- Official high school transcripts or GED scores.
- ACT or SAT scores (see below for NKU's test optional policy)
- Freshmen applicants with a 2.75 and greater unweighted high school GPA will be offered admissions regardless of ACT/SAT scores
- Freshmen applicants with a 2.7499 unweighted high school GPA and less will be required to submit ACT/SAT scores for admissions review
- Freshmen applicants must have a 2.0 unweighted high school GPA to be considered for admissions

*See the section on Application and Enrollment Fee Policies for information on fee waivers and fee exclusions.

Home School and Independent Study Applicants

*see above for requirements and procedures

Application Evaluation

The Office of Undergraduate Admissions evaluates the applications of every degree-seeking freshman. Only completed applications are reviewed. The evaluation focuses on:

- Completed high school classes and their relation to the Kentucky minimum high school graduation requirements.
- High school GPA.
- If applicant is applying for a selective major or has below a 2.75 unweighted high school GPA, ACT composite and sub-scores in English, mathematics, and reading; or SAT total* and sub-scores in writing, mathematics, and critical reading are required for admission consideration.
- Students who are 21 years of age or older or who will be turning 21 years of age during the semester they are admitted, are exempt from completion of the PCC and admission standards.These applicants are eligible to declare a non-selective major of choice and are encouraged to take placement test in English, Reading and Mathematics.

*Combined mathematics and critical reading score.

The purpose of this evaluation is to determine the applicant's preparation for college-level coursework. The evaluation considers whether the applicant meets the minimum requirements for admission set forth by both the Kentucky Council on Postsecondary Education and NKU. NKU's freshman admission standards are available online (http://nku.edu/standards).

All degree-seeking freshmen must submit a final, official high school transcript upon graduation. Final transcripts must be received prior to October 1 to ensure eligibility for continued enrollment and student financial assistance.

Kentucky Pre-College Curriculum

The Kentucky Pre-College Curriculum was established by the Kentucky Council on Postsecondary Education. It is a prescribed set of high school courses required for admission to an associate or baccalaureate degree program at a Kentucky public institution. Students admitted to the university not meeting a specific PCC area (or areas) are considered to have one or more academic deficiencies that must be remediated by completing prescribed courses in mathematics, English, social studies, sciences, and/or foreign language areas.

Exception 1: Students who are 21 years of age or older or who will be turning 21 years of age during the semester they are admitted, are exempt from completion of the PCC and admission standards. They are still subject to CPE College Readiness Standards.

Exception 2: A student with a PCC deficiency who achieved an ACT or SAT score that falls within the top 60 percent of all ACT/SAT test takers on a particular test date for English, mathematics, or science will not be considered to have a PCC deficiency in that specific area.

The Kentucky Pre-College Curriculum includes the following:

Area	Credits
English Language Arts - English I, II, III, IV, or AP English	4
Mathematics - Algebra I, Algebra II, Geometry*	3
Science - Biology I, Chemistry I, Physics I or life science, physical science, and earth/space sciences (at least one lab course)	3
Social Studies - U.S. history, economics, government, world geography, and world civilization	3
Foreign Language - Two credits in the same language or demonstrated competency	2
Health	.5
Physical Education	.5
History and Appreciation of Visual and Performing Arts - History and appreciation of visual and performing arts or another arts course that incorporates such content	1
Electives - Strongly recommended: one or more courses that develop computer literacy	5
TOTAL CREDITS	22

*A student may substitute an integrated, applied, interdisciplinary, or higher-level course within a program of study if the substituted course offers the same or greater academic rigor and the course covers or exceeds the minimum required content.

Admission Status - Freshmen

All freshman students offered admission to NKU will be placed in one of two categories: regular admission or admission with conditions.

Regular Admission

To be granted regular admission an applicant must meet the following three conditions:

- High school or equivalent completion as evidenced by:
  - A diploma from an accredited high school with a minimum unweighted cumulative high school GPA of 2.00 on a 4.00 scale.
    -- OR --
  - A general equivalency diploma (GED).
    -- OR --
  - Documented completion of an approved home school or distance learning high school program.
- Satisfactory standardized test performance as evidenced by:
  - A minimum ACT composite score of 20 and minimum English, mathematics, and reading subject scores of 18.
    -- OR --
  - A minimum SAT composite score of 1020 (combined mathematics and evidence based reading.writing scores) and minimum subject scores of 25/480 in writing, and 470 in mathematics.
    -- OR --
  - A minimum COMPASS score of english 74 or higher, mathematics 36 or higher, and reading 85 or higher. (For applicants 21 years of age or older)
    -- OR --
  - A minimum ACCUPLACER score of writing 92 or higher or write placer 6 or higher for English; elementary algebra of 84 or higher AND a college level math score of 50 or higher for mathematics; and reading score of 96 or higher. (For applicants 21 years of age or older)
- Completion of the Kentucky Pre-College Curriculum (waived for applicants 21 years of age or older)

Students are required to submit all required credentials to be considered for admission. NKU reserves the right to verify authenticity of all submitted educational credentials.

Admission with Conditions

Admission with conditions may be granted to a limited number of students who do not meet all criteria for regular admission.

- First-time freshmen who are granted admission with a 2.0-2.75 unweighted high school GPA with two or more

academic deficiencies or admitted with an unweighted GPA of 2.0-2.5 regardless of academic deficiencies, will be admitted to an associate degree program and must participate in the Pathfinders Program* Through the Pathfinders Program, students must participate in a variety of advising appointments, study sessions and special programs to maintain their enrollment eligibility. Please visit the website for specific details (http://pathfinders.nku.edu).

- The First Year Student Success Hub advises students regarding their academic plan and refers students to appropriate support programs. The students may have a limited course load for their first semester. The limited course load and mandatory academic support may be continued if a student is not in good standing after his or her initial semester.
- Students admitted with conditions may not declare/change a major until all conditions are satisfied.
- Students who have not successfully completed two years of the same foreign language will have a foreign language deficiency recorded in NKU's system of record; however, this deficiency will not count as an admission deficiency for the purposes of admission to NKU. Students with a foreign language deficiency will still be required to take one semester of a world language prior to graduation from NKU.

Students Denied Admission

Degree-seeking first-time freshman not meeting regular admission requirements are reviewed by a committee if their unweighted high school GPA is a 2.0 or greater. If denied admission, these students will receive an opportunity to appeal this decision.

An appeal must be submitted by the applicant themselves and not by parents, guardians, or school officials.

- The appeal, in form of a letter, must be written and submitted within 30 days of denial decision.
- This letter of appeal should include a personal statement that outlines your academic preparation to succeed at NKU.
- In addition to the letter, please provide one letter of recommendation that outlines your academic preparation
- Appeal deadline is August 1 for Fall and December 1 for Spring.
- Applicants may only appeal once for the given term and the resulting decision is final.
- Applicants may reapply to a future term but should provide new information.

Applicants choosing not to appeal, appeal unsuccessfully, or who are denied admission based on an unweighted high school GPA of less than 2.0 are encouraged to complete 24 semester credits of coursework at a regionally accredited institution or one with which NKU has an articulation agreement, and successfully complete all required developmental academic work prior to applying as a transfer student.

Transfer Admission

To be considered for regular admission, transfer applicants must have a 2.00 GPA.

Those with below a 2.0 may not be able to declare certain selective admission majors upon first enrollment at NKU but will still be admitted into a pre- or undeclared major.
Note: If a student is on suspension from a previous institution, the suspension time must be expired before the student can be admitted to NKU.

Students are required to submit all required credentials to be considered for admission. NKU reserves the right to verify authenticity of all submitted educational credentials.

Transfer applicants are students who have graduated from high school and have previously attempted coursework for credit (other than college credits taken while in high school) at a regionally accredited higher education institution or an institution accredited by an agency recognized by the U.S. Department of Education.

Potential transfer students from a regionally accredited institution or an institution accredited by an agency recognized by the U.S. Department of Education and who have 24 or more transferable credit hours from a regionally accredited institution or an institution accredited by an agency recognized by the U.S. Department of Education must submit the following:

1. An online application form (http://apply.nku.edu).
2. A $40 nonrefundable application fee.*
3. Official transcripts from each college attended.

*See the section on Application and Enrollment Fee Policies for information on fee waivers and fee exclusions.

Potential transfer students with fewer than 24 transferable credit hours must supply the following credentials; applicants are evaluated based on the freshman admission standards:

1. An online application form (http://apply.nku.edu).
2. A $40 nonrefundable application fee.*
3. Official transcripts from each college attended.
4. Final and official high school transcript or GED scores.
5. ACT or SAT or COMPASS/ACCUPLACER test scores if unweighted high school GPA is less than a 2.75.

*See the section on Application and Enrollment Fee Policies for information on fee waivers and fee exclusions.

Advising and Registration of Transfer Students

Once admitted to NKU, transfer students will receive a full transfer credit evaluation applying NKU's policies on transfer credit that appear in the University Policies and Procedures section of this catalog. A completed transfer credit evaluation report shows which courses have been accepted and how each course will transfer to NKU. Once the student receives this report, the student is ready to meet with an academic advisor who will answer questions such as what courses are needed for the student's chosen major and how the transfer work will apply to the student's general education, major, and minor requirements. Academic advisors also assist students with course selection for registration. Transfer students are eligible to register based on their number of earned credit hours.

Kentucky Postsecondary General Education/Framework Transfer Agreement

The Kentucky Council on Postsecondary Education (CPE) and other Kentucky public institutions developed and approved the Kentucky Transfer Policy to facilitate student progress toward graduation and to ease the transition between state institutions within Kentucky. Under this agreement, students who complete a general education category at a Kentucky public institution from which they are transferring will have that category fulfilled at NKU.

In addition to general education, the Baccalaureate Program Transfer Frameworks identify 12 hours of coursework in specific majors that may be successfully transferred. Each framework has a specific guide to the exact courses that a student must complete. Students should work closely with advisors at their home institutions to ensure they are taking framework courses for transfer to NKU. For more information regarding this policy, students should contact the Office of Admissions at 859-572-5220.

General Education Certification for Transfer Students with an Associate of Arts (AA) or Associate of Science (AS) Degree

Students transferring to NKU in the Spring 2017 forward, who have earned an AA or AS degree as of Fall 2012 forward from a US regionally accredited transferring institution, will be considered complete for their general studies framework at NKU. A student may be required to take an additional general education course if that course is a prerequisite for a specific major or the major requires a higher grade for the course.

Articulation Agreements

Northern Kentucky University has established formal articulation agreements with a variety of colleges and universities. These agreements facilitate the transfer of credits to NKU and specify how the credits will contribute to satisfying general education or other degree requirements. Students should alert their academic advisor if they have completed a program that is governed by a formal, approved articulation agreement between their prior institution and NKU. For specific information, contact the Office of Admissions at 859-572-5220.

Placement Testing

The Kentucky Council on Postsecondary Education has established the following college readiness standards for all incoming freshmen and transfer students. Failure to meet one of the standards constitutes a deficiency. Below is the NKU college readiness chart:

	English Score	**Math Score**	**Reading Score**
ACT	If your highest score is 17 or less, then you may take an English placement test.	If your highest score is 18 or less, then you may take an ALEKS Math placement test.	If your highest score is 19 or less, then you may take a Reading placement test.
SAT (as of March 2016)	If your highest Evidence-Based Reading and Writing score is 470 or less **or** 24.5 or less on the Writing and Language Test, then you may take an English placement test.	If your highest Mathematics score is 490 or less, then you may take an ALEKS Math placement test.	If your highest Evidence-Based Reading and Writing score is 470 or less **or** 24.5 or less on the Reading Test, then you may take a Reading placement test.

Students who do not meet the college readiness standards are encouraged to take a placement test in every area in which the standard is not met. Students can register for placement tests online at (http://testing.nku.edu).

Students with an academic deficiency are required to enroll in all necessary supplemental courses during their first two semesters at NKU. Please refer to Learning PLUS in the Academic Support section of this catalog, or the Learning PLUS website (http://plus.nku.edu/) for more information and a listing of available supplemental courses.

Readmission Applicants

Effective Spring 2015, readmission applicants are undergraduate students who have previously attended NKU but have not been enrolled during the previous two years. Graduation requirements for readmitted students will change to the current year's catalog of record. Applicants for readmission should submit the following:

- Online application form (http://apply.nku.edu).
- $40 nonrefundable application fee.*
- Official transcripts from each college attended since leaving NKU if applicable.

*See the section on Application and Enrollment Fee Policies for information on fee waivers and fee exclusions.

Post-Baccalaureate Applicants

Post-Baccalaureate applicants have received a bachelor's degree and intend to enroll for additional undergraduate credit as degree-seeking students. Applicants should submit the following:

An online application form (http://apply.nku.edu).
A $40 nonrefundable application fee*.
Official transcripts from each college attended other than NKU.

*See the section on Application and Enrollment Fee Policies for information on fee waivers and fee exclusions.

Transfer coursework for a Post-Baccalaureate student is subject to departmental approval and is not evaluated in its entirety. Post-Baccalaureate students are considered to have completed general education requirements.

School-Based Scholars

The School-Based Scholars (SBS) program offers eligible high school students the opportunity to take college classes with NKU at their high school, online, or NKU-approved sites.

The following groups of students are eligible for this program if they meet the following requirements:

High school juniors and seniors*:
Must have a high school unweighted GPA of 3.0 or higher.
Must meet any course prerequisites.
High school sophomores*:
Must have a high school unweighted GPA of 3.0 or higher.
Must meet any course prerequisites.
Must only take courses offered at their high school unless granted an exception.

*Some exceptions may apply. Please contact nkusbs@nku.edu if you have questions.

Students must complete a School-Based Scholars application packet (online application, disclosure, transcript and test scores). However, completed School-Based Scholars application packets do not guarantee admission into the program. All applications will be reviewed by the School-Based Scholars office. Application materials are available under the page "Apply to the SBS Program" on the SBS website (http://schoolbasedscholars.nku.edu).

For applications and deadlines for each semester, interested students should see their high school counselor or visit the SBS website (http://schoolbasedscholars.nku.edu). Application materials are usually delivered through the high school; however, documents may also be sent via email (nkusbs@nku.edu) or by fax (859-572-1905).

Continued enrollment: To be eligible to continue in the School-Based Scholars program, students must achieve a final grade of "C" or higher in each SBS course.

Tuition: All students are responsible for the cost of their tuition and the cost of textbooks/course materials. Information on how to access statements and pay tuition will be shared with each student. The current tuition rate and tuition payment information is available online under "About the Program " on the SBS website (http://schoolbasedscholars.nku.edu). Slight changes in tuition occur each year.

NKU is also a participating postsecondary institution in the Kentucky Dual-Credit Scholarship Program created through KY HC 206 (2017); therefore, Kentucky high school students may apply and be awarded a dual credit scholarship through KHEAA. This scholarship is available to Kentucky public, private, and home-schooled students. For more information about this scholarship, please contact your high school counselor.

For additional SBS policies, please consult the SBS website (http://schoolbasedscholars.nku.edu).

Applying to a degree-seeking program: School-Based Scholars wishing to apply to NKU as degree-seeking freshmen after high school graduation must submit a new application along with the appropriate credentials including the $40 application fee for freshman admission.

Non-Degree Seeking Students

NKU offers a variety of non-degree options:

General non-degree students are those who do not intend to enter a degree program at the time of application.
Non-degree post-baccalaureate students are those who have previously earned a bachelor's degree and intend to enroll for additional undergraduate credit as non-degree seeking.
Visiting students are those who attend another college or university but wish to enroll at NKU for one semester. These students are responsible for having coursework approved by the institution to which the work will be transferred. Visiting students, except for ones who enroll through the Greater Cincinnati Collegiate Connection, may not enroll at NKU for more than one consecutive semester. For the purposes of this rule, all summer terms taken together are considered one semester.

To apply as a non-degree student, applicants should submit the following:

An online application form (http://apply.nku.edu).
A $40 nonrefundable application fee.

Application materials should be submitted by the following dates:

Applicants for Fall	August 1
Applicants for Winter or Spring	December 1
Applicants for Summer	May 1

Non-Degree Policy

To apply for non-degree admission, an applicant must have a high school diploma or GED. A maximum of 36 semester credit hours earned as a non-degree student may be applied to a degree at NKU.

Non-degree students are NOT eligible to receive federal financial aid. To facilitate the admission process, prospective non-degree students are strongly encouraged to apply and supply all required credentials by the deadline given above. Requests for exceptions to admission deadlines will be reviewed by the admissions director. Non-degree students are required to meet the prerequisites for all courses they wish to take. Students who choose to become degree-seeking at a later date must submit a new application for admission, pay the application fee, submit all required credentials, and meet the appropriate admission deadline.

Permanent Resident Applicants

Permanent residents should file the standard domestic application for admission. Permanent residents must submit application materials as listed in the appropriate admission category: freshman, transfer, post-baccalaureate, readmission, and non-degree. Applicants must submit a copy of their Permanent Resident Card. Permanent residents will be evaluated based on the standards used with domestic applicants. If a student is unable to supply a **Permanent Resident Card**, please contact the Office of Admissions at 859- 572-5220 for alternate document types that may be submitted.

Permanent residents may also be required to take placement tests to determine placement in English and mathematics courses at NKU. The transfer evaluation of foreign documents requires an evaluation by a foreign evaluation service. NKU only accepts evaluations from companies which hold active membership in the National Association of Credential Evaluation Services. You can find a list of members on the web (http://www.naces.org). Students must submit certified English translations (if applicable) along with original foreign language transcripts for all university and/or postsecondary coursework completed overseas. Students must submit detailed course descriptions and/or syllabi of all completed coursework in order to be considered for specific transfer credit.

Online Learning

Online Learning provides administrative and student-support services for 25 fully online degree programs and certificates at the undergraduate and graduate levels plus hundreds of online courses. Through online learning, students can complete their educational goals at a time and place convenient to their schedule. The current list of online degree programs may be found at (http://www.nku.edu/admissions/adult/online.html). Admission criteria and application procedures for online programs can be obtained by calling 859-572-5520 (undergraduate) or 859-572-6364 (graduate) or sending an email to beanorse@nku.edu (undergraduate) or graduate@nku.edu (graduate).

State Authorization

There are regulations pertaining to post-secondary online instruction. These laws and regulations apply to online, distance, and correspondence educational instruction offered to permanent state residents. Kentucky is a member of the State Authorization Reciprocity Agreement (SARA) and Northern Kentucky University is an approved SARA institution. SARA allows institutions to offer distance education courses and programs to other SARA participating institutions and ensures adherence to national standards for postsecondary distance education. We work through the SARA process and with states to ensure that when authorization or licensure of online programs is necessary, required approvals are secured.

It is the student's responsibility to understand the current status or special requirements related to the authorization of distance education in their state of residence. For more information about SARA, please visit (http://www.nc-sara.org/). If considering an academic program that leads to a professional licensure (example: Education or Nursing), it is recommended students first contact the appropriate licensing agency in their home state prior to starting a program outside their state of residency. It is the student's responsibility to contact the appropriate licensing entity in the student's home state to confirm whether a NKU program will meet the requirements for licensure in that state. Although a program may be available in your resident state, there may be additional obligations required by the institution and NKU has the right to determine if program will be available in state of residence.

State Authorization Statements (as required by the states below)

This institution is authorized by The Indiana Commission for Higher Education/The Indiana Board for Proprietary Education; 101 West Ohio St., Suite 670; Indianapolis, Ind.; 46204-1984; 317-464-4400 Ext. 138 or 141.

Online Learning Student Complaint Information

NKU is required to provide all current and prospective out-of-state students with the contact information of the state agency that handles complaints against institutions of higher education within that state. Enrolled students are encouraged to utilize NKU's internal complaint and review policies. State-specific information is available on the web (Complaint Process Links).

Project Graduate

For adults who started their bachelor's degrees years ago but left college before finishing, Project Graduate provides an opportunity to complete a degree. This statewide initiative assists adult learners who have accumulated 80 credit hours to return to finish their first bachelor's degree. NKU Project Graduate benefits include personalized advising and limited scholarship opportunities for both prior and new transfer students. Prospective students can find out if they qualify by calling 859-572-5898, email Adult Learner Programs and Services (ALPS) at alps@nku.edu or by visiting https://inside.nku.edu/alps/projectgraduate.html.

Credit for Prior Learning

Northern Kentucky University will grant credit to enrolled students based upon established prior learning assessment equivalencies. Additional Credit for Prior Learning assessment options may be found in the Policies and Procedures section.

Portfolio

Students may receive credit for certain approved courses via portfolio development for learning that has occurred through their

military, career, and non-academic experiences. A portfolio is a set of written documents (and in some cases, oral supplements) that demonstrate experiential learning equivalent to the learning objectives of a specific course. Prior to development of a portfolio, the student must schedule a meeting with an advisor to determine program eligibility. For each portfolio attempted, the student will work with a faculty evaluator who will determine whether the portfolio and the student's experience meet the learning objectives of a specific course. Credit is granted upon recommendation of the faculty evaluator with approval from the appropriate department chair and dean. For more information about Credit for Prior Learning Portfolio, email the Adult Learner Programs and Services (ALPS) at alps@nku.edu or call 859-572-5898.

American Council on Education Non-Collegiate Sponsored Instruction (ACE)

Credit may be awarded based on educational programs offered by many large corporations or nonacademic institutes. Only programs approved and recommended by the American Council on Education will be considered for credit. Students may request evaluation of credit by sending the ACE transcript "Registry of Credit Recommendations" and appropriate course outline(s) to Adult Learner Programs and Services (ALPS) at alps@nku.edu. More information can be obtained by calling 859-572-5898.

Community Education Non Courses

Office: Community Connections
Location: Steely Library 250
Telephone: 859-572-5600
Fax: 859-572-5174
Email address: connect@nku.edu
Web address: http://communityconnections.nku.edu/
Coordinator: Melanie Hartzel

NKU provides noncredit lifelong learning programs covering a wide range of topics in a variety of delivery styles, including Ed2Go online courses and professional development (https://www.ed2go.com/nku-short/). Courses are available in NKU classroom settings and in various online formats. The current schedule of noncredit continuing education programs offered by the Office of Community Connections is online at (http://communityconnections.nku.edu/). More information may be obtained by sending an email (connect@nku.edu) or calling 859-572-5600.

Community Connections advances the university's commitment to public engagement through noncredit personal development programs, elementary and secondary educational outreach, and event support services for university-sponsored activities, thus facilitating faculty, staff and student involvement in outreach and community engagement.

Application and Enrollment Fee Policies

Application Fee Waivers

An applicant may request a fee waiver based on financial hardship. The request will be considered by the admissions leadership provided that it is accompanied by a letter from one of the following:

- A high school counselor or principal.
- A Talent Search counselor, Upward Bound official or Student Support Services representative.
- A state of Kentucky representative issuing a Certification of Financial Assistance.
- ACT/SAT application fee waiver request.

Application Fee Exemptions

- Students from the Greater Cincinnati Collegiate Connection are not charged the application fee if they apply as a non-degree visiting/consortium student. If applying as degree-seeking student, the application fee is required.
- Students whose last attendance was at an institution within the Kentucky Community and Technical College system are not charged an application fee.
- Alumni who have earned a bachelor's degree from NKU will have the application fee waived for future undergraduate applications for admission.
- The application fee is waived for faculty and staff, as well as for spouses or dependents of NKU faculty or staff who are eligible for the tuition waiver. NKU faculty or staff must supply a current NKU ID to the appropriate admissions office.
- All veterans are not charged an application fee.
- Qualified employees of EdAssist partners may request the application fee be waived at time of application. Paid application fees may not be refunded.
- Students who participate in the CState2NKU Transfer program are not charged an application fee.

Enrollment Confirmation Fee

All first-time, degree-seeking, new undergraduate students who will enroll in six or more semester credit hours must confirm their intention to enroll by submitting the confirmation fee form with a nonrefundable $75 confirmation fee payment. The deadline to submit the confirmation form and fee is May 1 for the summer and fall semesters and December 1 for the spring semester. Students admitted after these deadlines will have two weeks from their date of acceptance to submit the Enrollment Confirmation Fee. International students will be charged at the time they enroll for their first semester at NKU.

Residency

Residency affects a student's classification for tuition purposes. Students are notified of their residency status when they are admitted to the university. Residency status is determined in accordance with the state of Kentucky (CPE) classifications. Relevant portions of the policy are given in the appendix of this catalog.

Students who wish to appeal their initial residency classification or request a change of residency must complete a residency affidavit packet. Packets may be obtained from the Office of the University Registrar, Lucas Administrative Center 301. Residency packet

deadlines and residency FAQs are available online (http://inside.nku.edu/registrar/forms-records/residency.html).

Selective Admissions Programs

Admission to NKU does not guarantee acceptance to all academic programs. The following academic programs have requirements above those listed for regular admission: biological sciences, chemistry, communications, data science, health science, honors, nursing, radiologic technology, and respiratory care. Music and BFA programs may have additional requirements such as a portfolio or auditions. Please review program admission requirements listed in the appropriate section of this catalog.

Northern Exposure: Orientation and VictorFest

As students begin to prepare for the transition to college, NKU has developed a comprehensive orientation program to assist all incoming students in cultivating their own individual support network at the university. *Northern Exposure: Orientation and Victorfest* are designed to foster an enduring connection between the students, their families and the NKU community. Through interactive experiences, students will become informed and skilled consumers of the academic programs, comprehensive services and engagement opportunities offered at NKU. While *Northern Exposure* is mandatory for all incoming students, we do have separate orientations for new first-time freshmen, post-traditional students, veterans and transfers. Students enrolled in an online degree program will complete an online orientation.

Traditional Undergraduate First-Time Students

For new traditional-age first-time freshmen, *Northern Exposure* is required and consists of a two-part process known as *Orientation* and *VictorFest*. **Orientation** consists of a one-day advising and registration program (dates in June and July) AND **VictorFest** consists of two days of extended orientation (in August) with optional campus events continuing into the first week of classes. Northern Exposure allows students to become familiar with academic departments, register for classes, and learn about the variety of services and leadership opportunities available to them as NKU students. **All traditional-age first-time freshmen are required to attend BOTH Orientation and the Friday and Saturday VictorFest events to fulfill their mandatory orientation requirement.** Students are encouraged to bring their parent(s)/guardian(s) to the orientation program as there will be a parent/guest program schedule running concurrently with the student schedule.

Transfer, Veteran and Post-Traditional Students

Orientation for transfer* students is held in concurrence with the new, first-time, post-traditional student orientation. This is a one-day program offered in a conference-style format, that will educate students on the many services that NKU has to offer, answer questions they may have about college life and help them begin to build a strong success network at NKU. During each orientation experience, students will have the chance to meet with faculty and staff from their respective college or school, new classmates, and current students. Students will also learn about the campus resources available to enhance their success from their first semester to graduation.

For transfer students, the orientation program depends on how many earned hours they are transferring to NKU. They may be eligible to participate in *SCOOP: Student Centered Online Orientation Program* versus attending the one-day, on campus program.

Students who are veterans (defined as being a member of a branch of the U.S. military or receiving benefits), may choose to attend the veteran track available during the one-day transfer/post-traditional orientation programs. The veteran track will provide more specific information about our nationally-recognized student veteran organization, our Veteran Resource Station, the veteran education benefit process, how benefits impact financial aid eligibility, and the full range of campus resources available to veterans attending NKU.

Advising and course registration are not included in the one-day orientation program for transfer, post-traditional and veteran students. Students should contact their advising centers directly to make an advising appointment prior (if possible) to their orientation.

*Transfer students are eligible for priority registration based on the number of earned hours they are transferring to NKU.

For more detailed information, students should consult the orientation website (http://orientation.nku.edu) or contact the Office of Undergraduate Admissions at (859) 572-5220.

Enrolling and Registering for Classes

Building a Good Schedule

NKU offers the following tips to help students build a good schedule:

- Know yourself. NKU classes are offered at a variety of times throughout the week: morning, afternoon, evening, and weekends. There are classes offered in a traditional face-to-face classroom on the main campus, classes offered online, and classes at the Grant County Center. What works best for you? Are you a morning person? What kind of outside obligations do you have? Will family or work responsibilities impact the time you can take classes? Do you like the idea of online classes that require more self-directed learning?
- Create a balanced schedule.
  - Balance the types of courses you choose. In a single semester, do not take five heavy reading classes, or three mathematics courses, or several heavy writing classes. Seek variety in the kinds of courses you will be taking.
  - Balance the times of courses you have in your schedule. Most courses meet Monday, Wednesday, and Friday for 50 minutes or Tuesdays and Thursdays for 75 minutes. Avoid

taking all classes on the same few days. If you cannot avoid it, then be sure to schedule some breaks during the day so you have time to get up, walk around, and get something to eat.

If you need to take developmental classes, take them as soon as possible. These classes are essential to academic success in college-level courses, and they must be taken within the first two semesters of enrollment.

Meet with your advisor early in the semester to review your educational plan and choose your courses for the upcoming semester. Review any developmental courses that you might need. Be sure you are meeting the general education requirements as well as requirements for your major and minor.

Registering for Classes

Academic advising is required for many students and strongly recommended for all students prior to registering for classes. Students who are in good standing may register through myNKU. myNKU is the secure Internet-based portal from which students can access registration (including adding, dropping, and withdrawing from courses), course offerings and class descriptions, grades, official and unofficial transcripts, student accounts (tuition, student fees, and payments), and financial aid. Upon admission, students are issued user names and directed to create a password to access their myNKU account. For myNKU tutorials, students should visit the website (http://inside.nku.edu/content/dam/registrar/docs/registration/NKU_CourseRegistration_Student.pdf).

Registration Holds

Registration holds prevent students from registering for courses. They are most often established because the student has not submitted final official transcripts, is required to meet with his or her advisor prior to registering, or owes money to the university. Registration holds must be cleared (resolved) before a student can register online via myNKU. The student can still search for courses and place them in the registration cart, but the student must contact the office or department that placed the hold before being able to register. For advising holds, the student should contact his or her academic advisor to make arrangements for clearing the advising hold. If a hold is related to a fee, the fee must be paid before the hold will be released. To release a credential hold, students should contact the Office of Undergraduate Admissions. Generally, holds can be released Monday-Friday between 8:15 a.m. and 4:30 p.m. For more information about holds, students should consult the web (http://inside.nku.edu/registrar/registration/registration-holds.html).

University Housing

Location: Norse Commons 101
Telephone: 859-572-5676
Fax: 859-572-6099
Email Address: housing@nku.edu
Web Address: http://housing.nku.edu

Director: David Berland
Other Key Personnel:

Associate Director of Residence Life: John Mayo
Associate Director of Housing Operations: Rochelle Shields

University Housing provides housing services for students who live on campus during the school year. Unless qualifying for an exemption, new first-year students are required to live on campus. Please visit the website for exemption categories (http://housing.nku.edu).

Campus housing includes traditional residence hall rooms as well as apartment-style living and suite-style living. Lounge areas, information desks, computer labs, laundry rooms, vending areas, loft/study areas, and space for student recreation are available to students who live in the residential village. NKU can accommodate more than 2,000 students in on-campus housing. The Association of Campus Residents (ACR) represents residential students to University Housing and to the Student Government Association. ACR serves as a sponsor of residential village events and reviews and recommends university and departmental policy updates.

Housing costs and a virtual tour of all housing room types are posted online (http://housing.nku.edu). One bill covers rent, utilities (electricity, water, and sewage), and high-speed internet access. Students have the option to reside on campus for the academic year (fall and spring semesters), spring semester only, and/or during summer sessions.

Meal Plans

NKU Dining Services offers more than 15 dining locations and several meal plans to residential and commuter students. Residential students - except those living in Woodcrest Apartments and Northern Terrace rooms with full kitchens - are required to purchase a meal plan. Meal plans for residential students are purchased through the housing application process. Commuter students may purchase meal plans online (http://dineoncampus.com/nku). All students paying for food with "flex dollars" on their All Card will receive a dining discount. These flex dollars can be used in any dining facility on campus and receive the dining discount. Flex dollars will roll over from fall to spring semester and expire the end of the spring semester. Students can purchase additional flex dollars on the food service website (http://dineoncampus.com/nku). AllCard dollars can be added on the AllCard web site (http://inside.nku.edu/allcard.html). See AllCard for additional information.

International Admissions and Enrollment

Office: International Student and Scholar Services
Location: University Center 305
Telephone: 859-572-6517
Fax: 859-572-6178
Email Address: isss@nku.edu
Web Address: http://nku.edu/international
Director: François Le Roy
Other Key Personnel:

Assistant Director of Immigration Services: Adam Widanski
Assistant Director of International Admissions: Rebecca D. Hansen
Manager of International Admissions and Credential Evaluation: Jane Bratton
Immigration Advisor: Sarah Mackey
Intercultural Programs Coordinator: Fatimata Ndiaye
International Student Specialist: Hoon Kang

International Student and Scholar Services supports all prospective and current international students (non-immigrants). The office issues the required documentation (Form I-20 and DS-2019) for all newly admitted undergraduate students, granting them the opportunity to apply for a student visa at a U.S. consulate or embassy abroad. The office handles all recruitment and admission of international undergraduate students including admission policies and standards. In addition, ISSS offers various programs to educate students about American life and culture and expose the greater NKU community to international students on campus. Members of the office staff serve as advisors to the International Student Union, a group that sponsors an international dinner and fashion show each spring.

Application Procedures

International students (all non-immigrants) should apply to Northern Kentucky University at least four months before the beginning of the semester for which they wish to enroll. In general, applicants will be admitted only after they have documented that they have acceptable academic credentials. Students may be conditionally admitted to a degree program contingent upon submitting proof of English proficiency at a later date. Conditionally admitted students will remain in the American English Language Program or the Bridge program until a full-time course load is available (if necessary for visa status) and proof of English proficiency is submitted. International applicants are required to submit the following credentials:

International online application for undergraduate admission* (http://www.nku.edu/apply.html).
A $40 nonrefundable application fee.
Declaration and certification of finances (Financial Certification Form).
Official or certified copies of transcripts of secondary school coursework in the original language, appropriate certificates of examination (if applicable), AND certified English translations (if applicable).
An official transcript from each college or university attended, certified English translations (if applicable), AND a professional course-by-course evaluation from a member of the National Association of Credential Evaluation Services (http://naces.org/).
Evidence of English proficiency.

*Students wishing to apply for conditional admission through NKU's American English Language Program should use the International online application for undergraduate international student admission.

The SAT exam may be required of students from certain countries depending on U.S. consulate procedures, the first language of the student's home country and/or language proficiency. Those individuals will be so advised by the university or U.S. consulate.

International Students	**For Fall Semester**	**For Spring Semester**
Priority deadline	May 1	October 1

Summer term admission is typically not available for fully admitted international students who wish to take degree classes. If a transfer student must apply for summer admission because of immigration constraints, the student must contact International Student and Scholar Services.

English Proficiency

English proficiency required for admission can be satisfied by any one of the following:

An official and satisfactory score from the Test of English as a Foreign Language (TOEFL) taken within the last two years. The minimum TOEFL scores to be considered for admission are a 500 on the paper-based exam or a 61 on the internet-based (iBT) exam. Students interested in applying for a post baccalaureate program must submit a 550 or above on the paper-based TOEFL or an iBT score of 79 or above.

Documentation of having satisfactorily completed freshman-level English composition at an American regionally accredited college or university in the U.S. and an overall acceptable GPA. Non-native speakers of English may still be asked to take the TOEFL if it has been several years since taking the English courses or if the student has returned to his or her home country for several years since taking the course.

A satisfactory score on the verbal portion of the ACT or SAT taken within the last two years. The minimum scores to be considered for admission are an ACT of 18 or SAT of 430 (through 3/15/16) or 25 (effective 3/16/16).

An official and satisfactory score from the International English Language Testing Service (IELTS) taken within the last two years. The minimum IELTS scores to be considered for admission must include a cumulative band of 5.5 and sub-scores in reading and writing of 5.0 or better. Students interested in applying for a post baccalaureate program must submit an IELTS score of 6.5 band or above.

Successful completion of NKU's American English Language Program with at least an 80% in each AELP class.

International students educated in countries where English is the primary spoken language will be exempt from the English proficiency requirements. Please contact International Student and Scholar Services for a list of NKU approved countries where English is considered the primary language. International students from countries where English is considered the primary language are still required to take the SAT or ACT to be considered for admission. Some departments, such as nursing, may have selective admission requirements.

Note: Students wishing to declare pre-nursing as a major must obtain a minimum cumulative TOEFL paper-based score of 550, internet-based (iBT) score of 79, or IELTS score of 6.5 unless exempted by another language proficiency standard as noted above. To be considered for admission to the nursing program, international students must submit a cumulative total iBT of at least 90. The paper-based TOEFL and the IELTS exams are not acceptable for admission to the nursing program. An interview with the program director may also be required.

Placement Testing Requirements for International Students

Once admitted, all undergraduate international students (including transfer students) may be required to take one or more placement tests in order to determine placement in mathematics, English, and/or reading, unless specifically exempted by the university. All placement tests may be taken only once and must be taken within a student's first semester at NKU. A student may re-test one time for a fee (must wait 30 days in between testing sessions). If international students do not place into a college-level course, they will be placed into the appropriate developmental course. For more information, please refer to the Placement Testing office's website (http://testing.nku.edu).

Placement Testing

The Kentucky Council on Postsecondary Education has established the following college readiness standards for all incoming freshmen and transfer students. Failure to meet one of the standards constitutes a deficiency. The NKU college readiness chart can be found here: https://inside.nku.edu/content/dam/testing-services/docs/CPE%20College%20Readiness%20-%20Effective%20Feb%202019.pdf

Students who do not meet the college readiness standards are required to take a placement test in every area in which the standard is not met. Placement tests must be taken prior to orientation and registration in any course at NKU. Each placement test can be taken only once. However, students may opt to re-test once after 30 days have passed from the initial placement test. Students register for placement tests online at http://testing.nku.edu.

Students with an academic deficiency are required to enroll in all necessary supplemental courses during their first two semesters at NKU. Please refer to Learning PLUS in the Academic Support section of this catalog, or the Learning PLUS website (http://plus.nku.edu/) for more information and a listing of available supplemental courses.

English Transfer Credit Policy for International Students

Generally, international students are not permitted to receive English transfer credit or be considered for re-evaluation of English transfer credit for any English language courses taken prior to initial admission to NKU. English language coursework will be considered for transfer credit only if the student is from a country where English is the official language of instruction. Otherwise, there are no exceptions to this policy.

Every international student must enroll in "ENGI 099 Writing Workshop for International Students (3 credits) " during the student's first semester of study at NKU unless otherwise exempted by meeting one of the following criteria:

A paper-based TOEFL score above 550.
An Internet-based TOEFL score above 79.
An IELTS score above 6.5.
Completion of the equivalence of "ENG 101 Writing for College and Beyond - WC (3 credits)" at a regionally accredited U.S. university or college.
Passing score on the COMPASS placement test (given only once during the life of a student).

International students will not receive transfer credit or be exempt from taking "ENGI 099 Writing Workshop for International Students (3 credits) ," "ENGI 080 Writing Laboratory for International Students (1 credit) ," "ENG 101 Writing for College and Beyond - WC (3 credits)," "ENG 102 Writing and Research - WC (3 credits)," or any other English language course after initial admission to NKU. Articulation agreements do not include credit for English language coursework unless the university is located in a country where English is the official language. Please contact International Student and Scholar Services for a list of NKU-approved countries where English is the official language.

International Student Transfer Applicants

Students must submit certified English translations (if applicable) along with original foreign language transcripts for all university and/or postsecondary coursework completed overseas or in the U.S. Also, students must submit detailed course descriptions and/or syllabi of all completed coursework in order to receive NKU transfer credit. This documentation, including the transfer credit evaluation form, must be received by International Student and Scholar Services within 30 days of the student's acceptance to NKU and no later than 30 days after the start of the student's first enrolled semester at NKU.

In addition, all students wishing to receive international transfer credit must submit certified copies of all post-secondary transcripts to an official evaluation company for a course-by-course evaluation of credentials. NKU only accepts evaluations from companies that maintain active membership in the National Association of Credential Evaluation Services (http://www.naces.org). ISSS does not guarantee NKU course equivalents but will work with departments to evaluate coursework as appropriate.

Students are required to submit all required credentials to be considered for admission, regardless of whether or not they wish to receive transfer credit. Any student who fails to provide accurate and complete, certified copies of all educational credentials prior to being admitted to NKU may be dismissed from the university and/or denied transfer credit.

The first professional transcript evaluation submitted by a student will be evaluated for transfer credit. If a student later takes courses at another school, the coursework that has already been evaluated by NKU will not be re-evaluated; the additional courses will be evaluated separately. Credits from a university which has a standing articulation agreement with NKU will not be submitted for professional transcript evaluation.

Overseas Articulation Agreements

NKU has established agreements with overseas universities for the purpose of degree completion. Each articulation is unique, so students who are studying at the following universities and are interested in further details should contact their academic advisor, or reach out to NKU at isss@nku.edu:

Hansung University (South Korea)
Jubail Industrial College (Saudi Arabia)
Sichuan Normal University (China)
Thu Dao Mot University (Vietnam)
University of Ulsan (South Korea)

American English Language Program (AELP)

Location: University Center 300
Telephone: 859-572-6517
Fax: 859-572-6178
Email Address: aelp@nku.edu
Web Address: http://nku.edu/aelp
Coordinators: Dana Linville and Melissa Napier

The American English Language Program is an intensive English program that serves to develop students' reading, writing, listening, speaking, and grammar skills in order to participate successfully in university study or for personal growth. Emphasis is placed on acclimating students to American culture, campus life, and the local community. The primary goals of the program are: (1) student achievement at an advanced level of English proficiency to be successful in university undergraduate and graduate settings, and (2) student ability to speak fluently on topics related to university study and engage in conversation using everyday English.

AELP offers an intensive program (required of all F-1 or J-1 students) of 25 hours of instruction each week, a semi-intensive program of 15 hours of instruction each week, or a bridge program that allows students who have received the required exam score (TOEFL ITP of 485 or higher) to take intensive English and university-level classes concurrently.

New sessions begin in August (Fall Semester), January (Spring Semester), and May (Summer Session) for 15 weeks each session, with the exception of the summer term which is eight weeks. All instructors have degrees and experience related to teaching English to international students. The application and additional information are available on the web (http://isss.nku.edu/aelp.html).

Students seeking to enroll only in AELP must submit an AELP application and pay a $50 application fee. Students seeking conditional admission to NKU should apply to NKU using the regular international online application and follow the instructions outlined by the Office of International Students and Scholars for admission to NKU as an international student. Email inquiries may be sent to aelp@nku.edu.

To be considered for the bridge program, an intensive English program student should have a paper-based TOEFL score of at least 485, an Internet-based TOEFL score of at least 59, or a 5.0 on the International English Language Testing Service exam. The student must also have been enrolled in the intensive English program for at least one 16-week term and must have demonstrated good progress with conscientious preparation and regular attendance. Students must receive permission from the AELP director and the chair of the chosen academic department. Bridge students are limited to six semester credit hours of university-level coursework.

Undergraduate students who are unable to show proof of English proficiency may still apply and be **conditionally** admitted to a degree program at NKU. Conditionally admitted students must first enroll in the AELP and achieve a minimum passing score of 500 on the institutional TOEFL, 5.5 on the IELTS (with minimum sub-scores of a 5.0 in reading and a 5.0 in writing), a 61 on the TOEFL iBT, or successful completion of level 6 of AELP with a minimum of

80% in each of the four AELP subject areas of Grammar, Writing, Reading, and University Preparation.

Note: Students who achieve a paper-based TOEFL score **below** 550, internet-based TOEFL **below** 79 or an IELTS score **below** 6.5 will also be required to enroll in "ENGI 099 Writing Workshop for International Students (3 credits) " and "ENGI 080 Writing Laboratory for International Students (1 credit) " before moving into freshman composition ("ENG 101 Writing for College and Beyond - WC (3 credits)").

Admitted students who wish to be considered for an exemption from ENGI 099 , may choose to take the NKU writing placement test during or before orientation. Students must receive a passing score on this writing placement test to be eligible for an exemption. Each placement test can be taken only once. Placement testing is for NKU admitted students only and cannot be taken for admission purposes to NKU. Students register for placement tests online (http://testing.nku.edu).

Exchange Students (Non-Immigrant J-1)

Location: University Center 330
Telephone: 859-572-6908
Email Address: perrya@nku.edu
Web Address: http://international.nku.edu/studyabroad.html
Coordinator: Anne Perry

The Office of Education Abroad works in partnership with International Student and Scholar Services to receive a select group of exchange students each semester. OEA receives notification of an NKU exchange student from the student's home institution, and these students typically arrive as J-1 exchange visitors. International Student and Scholar Services staff create the required Form DS-2019 in SEVIS in order for the student to arrive in the United States with a J-1 exchange visitor's visa status. SEVIS reporting is managed by ISSS while orientation and programming are a joint effort of both OEA and ISSS.

Health Insurance Requirement for all F-1 and J-1 Students

NKU requires all international students to maintain medical insurance that provides coverage in the U.S. and meets certain minimum benefit requirements. To ensure this, NKU will automatically enroll all NKU international students, scholars, and their dependents with F-1/F-2 and J-1/J-2 status in an international student health plan available through the university. Information about the international student health insurance plan is available through International Student and Scholar Services at 859-572-6517. Certain international students may be eligible to request a waiver by completing a waiver petition form and submitting it to ISSS. Students must submit a waiver petition form request every academic year to remain eligible for the waiver.

Tuition, Fees, and Financial Aid

Tuition and Fees

Office: **Student Account Services**
Location: Lucas Administrative Center 235
Telephone: 859-572-5204
Fax: 859-572-6087
Email Address: studentaccountservices@nku.edu
Web Address: http://inside.nku.edu/studentaccountservices
Director: Brandon Billiter
Other Key Personnel:

Associate Director: Kristine West
Associate Director: Jessica Brooks

The Office of Student Account Services is responsible for assessment and collection of student tuition and fees. Office hours are subject to change as necessary and are posted outside the office and on the Student Account Services website (http://inside.nku.edu/studentaccountservices).

Because the complete tuition rates are not officially approved until after the catalog is finalized for publication, it is not possible to include the tuition schedule in this catalog. The information is available at the Student Account Services website, and students should review it carefully. Students should be certain to note that there are different tuition classifications:

Resident and nonresident rates.
Rates for online majors.
Rates for full-time and part-time students.
Graduate and undergraduate rates.
The former undergraduate Metro rate (prior to Fall 2017 only) is being phased out over the next 6 years. Effective Fall 2017 - New incoming full-time students who live in the following Ohio and Indiana counties may be charged the regular non-resident rate but qualify for the Tuition Incentive Program. Additional information can be found here: (http://admissions.nku.edu/tip.html). This applies to Ohio residents from certain counties (Adams, Brown, Butler, Champaign, Clark, Clermont, Clinton, Cuyahoga, Darke, Delaware, Fairfield, Fayette, Franklin, Greene, Hamilton, Highland, Jackson, Lawrence, Licking, Lorain, Pike, Preble, Madison, Miami, Montgomery, Pickaway, Ross, Scioto, Union, Warren) and Indiana (Clark, Hamilton, Marion).
A special rate (Indiana rate) for undergraduate, degree-seeking students from selected counties in Indiana (Dearborn, Franklin, Jefferson, Ohio, Ripley, and Switzerland).
A special rate (Ohio Reciprocity) for undergraduate students who are working on an initial bachelor's degree and meet the following three conditions:

Are a resident of certain Ohio counties (Adams, Brown, Butler, Clermont, Clinton, Fayette, Hamilton, Highland, or Warren).

Have an associate degree from one of the following Ohio institutions: University of Cincinnati (including UC Blue Ash College and UC Clermont College), Cincinnati State Technical and Community College, Clark State Community College, Miami University- Hamilton, Miami University- Middletown, or Southern State Community College.

Have submitted all necessary credentials to the NKU Office of Undergraduate Admissions by appropriate deadlines (fall deadline is August 1, spring deadline is December 1, and summer deadline is May 1).

The following programs are excluded from this tuition program: early childhood education (birth-kindergarten) and nursing.

Accelerated Online Major Students Only

Please refer to Accelerated Online Major Students Only FAQ's website located at this web address: https://inside.nku.edu/studentaccountservices/faq/online-program.html There are billing related issues specifically for the AP online majors that are addressed on the website.

Registration Agreement

By registering for classes, you (the student) enter into a legally-binding contract to pay all tuition and fees, including any non-refundable fees. Please refer to the NKU Registration Agreement - Terms and Conditions, which is acknowledged by acceptance upon class registration, at the following website: (http://studentaccountservices.nku.edu/agreement.html)

Fees

Like the tuition schedule, the official fee schedule is approved too late to be included in the catalog. Information about fees is included on the Student Account Services website (http://inside.nku.edu/studentaccountservices). Here is a list of some of the fees that students may encounter after enrolling at NKU:

Course fees - Information concerning specific class fees can be found by clicking the class fee list under the Course Fees section on the Tuition and Fees page (http://inside.nku.edu/studentaccountservices/tuition).

Late registration fee - Students registering as of the first day of the term will be assessed a late registration fee.

NKU installment plan enrollment fee - Students not paid in full by the original due date of the semester will automatically be enrolled in the NKU installment plan and charged a $50 payment plan enrollment fee for participating in the installment plan.

Account maintenance fees - Any outstanding balances at the end of each month will be assessed a 1.25 percent account maintenance fee.

Returned check fee - Students whose checks are returned to the Student Account Services Office as unpaid will be charged a fee.

Graduation fee - Students are charged a fee at the time they apply to graduate.

Campus recreation fee - All students are charged an additional, per credit hour student recreation center fee as approved by Student Government Association and NKU's Board of Regents.

Account Statements

Account statements are sent **ONLY** to the student's NKU email address. Account statements are <u>not</u> sent via the U.S. Postal Service. They are sent once a month. Students should be sure to regularly check their NKU email accounts. Failure to read the email statement does not relieve the student of the financial obligation to the university.

Payment Methods

Online via myNKU - Biller Direct Tab

E-check payments (no fee) and credit cards (VISA, Master Card, AMEX and Discover) accepted (2.5% service fee).

By Mail - Student Account Services, AC 235 Nunn Drive, Highland Heights, KY 41099.

In Person - The office is located on the second floor of the Lucas Administrative Center.

Please note, for your safety and ours, effective January 1, 2018 cash payments* on student accounts at our office will be limited to $5,000 per semester. NKU encourages all students to pay electronically via E-check from their domestic bank of choice. E-check payments are free and easy to do via the student's myNKU payment portal account. Detailed directions can be found on the Student Account Services website: (https://inside.nku.edu/studentaccountservices)

*Additional monetary instruments considered as cash payments include:

Cashier's Check
Money Order
Traveler's Check

****Personal checks will be accepted without limitation****

NKU Installment Plan

Students who do not pay their bill in full by the original tuition due date will automatically be placed into the NKU installment plan. Students entering the installment plan will be charged a payment plan enrollment fee of $50 and will be assessed a 1.25 percent account maintenance fee each month. Payments are due according to the following schedule:

50 percent of the full balance is due on the original tuition due date.

An additional 25 percent is due 30 days after the start of the semester, bringing the total paid to 75 percent of the bill.

The balance is due 60 days after the initial due date. Accounts must be paid in full by the close of business on that day.

Cancellation of Classes for Nonpayment

Students enrolled in the NKU installment plan who do not pay 50 percent of their total charges will be at risk for cancellation of their classes for nonpayment. Minimum payment criteria must be met by the due dates to avoid course cancellation for nonpayment. Students who have their classes cancelled as a result of nonpayment remain responsible for 100 percent of their original bill.

Students who register and later change their plans for attendance should not rely on the cancellation for nonpayment or cancellation for nonattendance processes to complete administrative drops for them. Those who no longer wish to be enrolled must drop their courses via myNKU and officially withdraw for accurate determination of any financial obligation to the university.

Past Due Notices

Any student whose bill is not paid before the end of the month will be sent a past-due notice to his or her NKU email address. Any student who continues to remain unpaid by the fourth notice will receive the final warning letter at the student's *standard address* on file with the university registrar as well as at his or her NKU email address. This is the final warning to a student before the account is turned over to a professional collection agency. Students should make necessary financial arrangements with the Student Account Services Office before an account is turned over to a collection agency because additional fees are incurred once the account is turned over for collection.

Collections

The student is responsible for all outstanding debts and contracts with the University, including but not limited to institutional charges for tuition & fees, room & board, parking citations and registration, library fines, course books, insurance, class resource materials etc. The University reserves the right to assess financial penalties on any indebtedness. By accepting the Registration Agreement, the student agrees to reimburse NKU the fees of any collections agency (regional or state), which may be based on a percentage at a maximum of 33.3% of the debt; all fees, costs and expenses, including attorney's fees that NKU may incur in such collection efforts on my behalf. Any past due accounts may be referred to an outside collection agency which could result in such fees for collection. Any accounts sent to collection are assessed a collection fee on their full unpaid balance and are reported as a delinquent account to the credit bureaus. If the account remains unpaid at the collection agency, the account will be sent to the Kentucky Department of Revenue for collection.

Refunds

7-Day Hold

All refunds are subject to a 7-day hold before disbursement. This period is used to ensure that funds have been received by the university, allow for adjustments, and ensure accuracy of the refund being disbursed. Students who fail to receive a refund within seven days should call the Student Account Services Office at 859-572-5204.

Refund Calculations

Any refund is subject to the last day to cancel classes and receive tuition refunds for each term as published on the NKU academic calendar on the Office of the University Registrar website. A reimbursement of some or all tuition depends on when a student drops a class, or several classes, and whether the student adds other classes. Refunds are calculated based on the number of financially equivalent hours, not academic hours. This means that a student who drops and adds the same number of credits does not necessarily end up with the same tuition bill as he or she would have gotten for the initial set of courses. For example, if a student originally had 15 credit hours and dropped 5 credit hours during the 50 percent tuition adjustment period, the student would be charged for 12.5 hours (15 credits less half of 5 credits = 12.5 credits). If the student added five credits at the same time, the student would be charged for 17.5 hours. The formula to determine financial equivalent hours follows:

> Previous academic hours - (dropped hours * tuition adjustment percent) + added hours = financial equivalent hours charged.

To determine refund eligibility, calculate:

> New tuition charge - previous tuition charge = difference.

If the difference is negative, the student is due a refund; if the difference is positive, the student owes money to the university.

Direct Deposit

Students are encouraged to use their existing checking account to sign up for direct deposit to receive refunds. They have a choice of checking account and can change it at any time. There is no preselection option of account. At myNKU, go to Biller Direct Tab, then select Manage Bank Accounts, Add Account, Enter Bank Account Details, Check Box for Account to Refund, Click Review and Click Confirm. Full, detailed instructions are available on the Student Account Services website. Direct deposit refunds are sent daily. If you choose not to set up an account, you will be mailed a check within 14 days.

Form 1098-T

NKU now electronically provides students with the Internal Revenue Service required 1098-T Tuition Statement form. The electronic 1098-T form may be used for all income tax purposes and is sanctioned by the Internal Revenue Service. By eliminating hard copies of this paper tax document and providing an electronic copy through myNKU's web system, the risk of identity theft associated with postal delivery is reduced. The 1098-T form will be available for viewing and printing from NKU's On-Line portal system on or before January 31st of the year following the tax year reported. All future 1098-T forms will be furnished electronically. You will receive an e-mail each January notifying you when your electronic 1098-T form is available. Electronic delivery will remain

in effect each year unless you opt out and specifically request a hard copy by emailing studentaccountservices@nku.edu.

Financial Audit

All student account activity is subject to financial audit at any time. If the result of an audit indicates a change is needed, it may include an administrative adjustment. This could result in the student owing the university more money, or it may result in the student receiving a refund, depending on the outcome of the audit.

Financial Assistance

Approved financial assistance is applied directly to a student's account. If the assistance is not showing, the student should contact the Office of Student Financial Assistance at 859-572-5143 or toll free at 888-225-4499.

Students receiving financial aid may obtain a temporary deferment of their financial obligation if the financial aid process is complete (that is, estimated aid is viewable on the student's account and covers the entire account balance owed). At the time financial aid is disbursed to the student account, the Student Account Services Office will deduct any balance due the university. Students who fail to have their financial aid in estimate status and viewable on the student's myNKU account when the semester begins will be responsible for paying their bill and will later receive their financial aid as a reimbursement.

Third-Party Billing

Students who have a tuition sponsor (such as an embassy, government program, or any other agency/business outside Northern Kentucky University) billed on behalf of or for all their tuition and fees must provide an official authorization.

The official authorization:

Must be on agency letterhead
Must have an official signature
Must include the billing address of the sponsor
Contain the name and phone number of a contact person
Specify the length of the sponsorship
Specify what fees or portion of fees the sponsor will pay

Once the documentation is provided, the student account will be credited and the sponsor will be billed directly.

If authorization is not received, the student will be required to make the full payment by the published due date.

Note: Changes to the student's schedule may affect the authorized payment amount. A student should contact the Student Account Services Office immediately if changes to the schedule affect the tuition and fees charged.

Tuition Reimbursement for Employed Students

In order to comply with federal regulations surrounding Truth-in-Lending disclosures, Northern Kentucky University does not have an Employer Reimbursement Plan. If a student is receiving tuition reimbursement from their employer, the student will initially be responsible for paying the first semester up front through a variety of options (i.e. government loans by filing the FAFSA, alternative loans, savings, etc.) or any combination of these and other financial resources. Once they complete their first semester, they can use the reimbursement that they receive from their employer to pay for the next semester, and continue this process for subsequent semesters until the final employer reimbursement is made, at which time those funds can go to pay off any loans that were taken out and/or replenish any savings that were depleted to fund the first semester. At the end of each semester, the employer will usually ask for a copy of an account statement indicating the balance has been paid and by what means. The student may print off their account statement via their myNKU account under the Biller Direct tab and the Pay Your Bill link. To avoid any additional fees, the balance will need to be paid in full by the tuition due date each semester. Students are automatically enrolled in the NKU Installment Plan if they have not paid their account balance by the tuition due date.

Veterans' Benefits

Students eligible for veterans' educational benefits should contact the Veteran's Resource Station in University Center, Room 131 or at 859-572-7867 prior to registration.

Official Withdrawal from the University

When a student determines that he or she will NOT be attending NKU for the upcoming semester, the student must drop all of his or her classes through the myNKU portal adhering to all academic calendar deadlines. IF THE STUDENT **DOES NOT OFFICIALLY WITHDRAW** FROM THE UNIVERSITY, THE STUDENT MAY BE HELD RESPONSIBLE FOR ALL TUITION AND FEES AND MAY ALSO RECEIVE FAILING GRADES FOR COURSES IN WHICH THE STUDENT IS CURRENTLY REGISTERED.

Financial Aid and Scholarships

Location: Lucas Administrative Center 301
Telephone: 859-572-5143
Fax: 859-572-6997
Email Address: ofa@nku.edu
Web Address: http://financialaid.nku.edu
Director: Leah Stewart
Other Key Personnel:

Associate Director: Trenee Johnson

The Office of Student Financial Assistance creates clear pathways for students and parents to apply for and receive financial aid. Staff will employ creative and innovative approaches to provide personalized service to both current and prospective students as financial aid options are explored. The office staff continually strives to exceed the expectations of those they serve.

Financial Aid Application (FAFSA)

Students apply for federal, state, and institutional aid programs by completing the FAFSA (http://fafsa.gov). Students are encouraged to complete the FAFSA online. The FAFSA is available October 1 of every year.

To be considered for aid for the academic year or for fall semester only, the FAFSA should be submitted by February 1. Applications submitted after the priority date will be considered if funds are available.

FAFSA Priority Dates

FAFSA available	October 1
FAFSA Fall Semester Priority Date	February 1
FAFSA Spring Semester Priority Date	November 1
FAFSA Summer Priority Date*	February 1

*Students who wish to apply for a summer term should contact the NKU Office of Student Financial Assistance.

Scholarships

Scholarships are awarded on the basis of academic excellence or artistic talent. Freshman students who wish to be considered for scholarships must complete the admissions application requirements by February 15. The scholarship application deadline for current/transfer students is March 15 for the next academic year.

NKU provides scholarships to new freshmen and transfer students as well as current students. For a complete listing of all undergraduate scholarships, view the online scholarship listing (http://scholarships.nku.edu).

Many scholarships are renewable for additional years provided students meet specific requirements. Students should refer to the web for renewal requirements and for a full scholarship listing.

Donovan Scholars

The Herman L. Donovan Fellowship for Older Adults program allows Kentucky residents 65 years of age or older to pursue credit-bearing coursework at NKU for a degree or for personal enrichment without payment of the following fees: application/confirmation/orientation, tuition, campus recreation or course fees. Donovan scholars are responsible for books, supplies, course fees, parking, and applicable taxes. Noncredit courses are not included in this benefit. Upon applying for admission, students must submit proof of age. The tuition award is posted to the student's account by the Office of Student Financial Assistance. Prospective Donovan scholars should follow the requirements and due dates for freshmen or transfer students, depending upon whether they are just beginning their college career or have transfer credit.

Financial Aid Eligibility

To receive financial aid, a student must be enrolled in a program leading to a degree. Transient or non-degree student enrollment does not qualify for financial aid consideration.

During any semester, a student must be enrolled for at least 6 semester credit hours to receive a student loan and 12 semester credit hours to be considered a full-time student.

In order to determine eligibility, students must be fully admitted to NKU, and they must annually complete the FAFSA if they are applying for federal or state financial aid or for other special programs that indicate the FAFSA is required. Students will not be awarded federal, state, or institutional aid until their financial aid file is complete. Students must also be maintaining progress according to NKU's Satisfactory Academic Progress policy and must meet all federal, state, and institutional eligibility requirements. All estimated aid is awarded based on the number of enrolled hours.

International students are not eligible for federal financial aid. International students may be eligible for university-sponsored scholarships listed on the Office of Student Financial Assistance website. Please note any citizenship or residency requirements. International students may also be eligible for alternative loans.

Award Notification

Students who submit application materials for federal aid according to the instructions and before February 1 for fall aid will receive notices from three different sources: the federal government, the Kentucky Higher Education Assistance Authority (Kentucky residents only), and NKU.

Students will receive notice with instructions to view their myNKU account online to accept or decline the financial aid offer(s). This notice will include financial aid for which the student is eligible (that is, grants, student employment, scholarships, and student loans). Upon acceptance of loans, students need to complete the required loan entrance counseling and master promissory note. These requirements can be completed online (http://studentloans.gov).

It is important for students to understand that all financial aid awards are dependent upon institutional, private, state, or federal funding. Although the Office of Student Financial Assistance fully intends to adequately fund any commitments made to the student, circumstances can change. Notification of any change to financial aid awards will be sent to the student via his or her NKU email address or via U.S. mail.

Types of Financial Aid

There are various types of financial aid that can be viewed on the financial aid website. For additional information concerning the financial aid process, prospective and current students should contact the Office of Student Financial Assistance or visit the website (http://financialaid.nku.edu). The chart below lists various types of aid that are in addition to the scholarship opportunities listed elsewhere in this section.

Note: The information in this chart is current as of the date of this publication. Information could be subject to change based on federal, state or institutional adjustments.

TYPE OF FINANCIAL AID	ANNUAL AMOUNT (Based on full time enrollment)	REPAYMENT REQUIRED?	REQUIRED APPLICATION PRIORITY DEADLINE SUPPLEMENTAL INFORMATION	REMARKS
Federal Pell Grant	Up to $5,970	NO	FAFSA February 1	A federally-funded gift aid program for eligible students with financial need as determined by the FAFSA.
Federal Supplemental Educational Opportunity Grant	Up to $2,000	NO	FAFSA February 1	Eligible students must be Pell Grant eligible, with exceptional financial need as determined by the FAFSA.
KHEAA CAP Grant	Up to $1,900	NO	FAFSA February 1	Eligible students must be Kentucky residents and must be Pell Grant eligible.
Kentucky Educational Excellence Scholarship (KEES)	Varies depending upon high school GPA and ACT or SAT scores	NO	Information submitted by high school and university	Eligible students must be Kentucky residents who graduated from Kentucky high schools and are attending postsecondary schools in Kentucky.
Tuition Incentive Program	At least $5,200	NO	To qualify, students must be residents of the following counties: Ohio: Adams, Brown, Butler, Champaign, Clark, Clermont, Clinton, Cuyahoga Darke, Delaware, Fairfield, Fayette, Franklin, Greene, Hamiliton, Highland, Jackson, Lawrence, Licking, Lorain, Pike, Preble, Madison, Miami, Montgomery, Pickaway, Ross, Scioto, Union, Warren Indiana: Clark, Hamilton, Marion	Eligible students must be new students entering in fall 2017.

Strive Northern Kentucky University Promise Program	Varies, up to cost of attendance	NO	FAFSA February 1	A need-based grant program targeted to students who are graduates of Holmes, Holy Cross, Newport, Covington Latin or Newport Central Catholic high schools. Students must be full time, Pell Grant eligible and must maintain a 2.5 GPA.
Northern Difference Grant	Varies, up to cost of attendance	NO	FAFSA February 1	A need-based grant program created for Kentucky residents whose family income falls at or below 150 percent of the national poverty level. Students must be full time, Pell Grant eligible and must maintain a 2.5 GPA.
Kentucky War Veterans' Dependents	Full tuition	NO	The Kentucky Department for Veterans' Affairs Application	To determine eligibility, contact the Kentucky Department for Veterans Affairs at 502-595-4447.
Federal College Work-Study Employment	Varies with needs/hours worked	NO	FAFSA February 1	Employment under this federally funded program is restricted to students with demonstrated financial need. Undergraduate and graduate students who are eligible for consideration for FWS must be enrolled for at least six semester credit hours. This money does not apply directly toward tuition.
Institutional Work-Study Employment	Varies with hours worked	NO	None	An NKU program designed for students who want to work on campus but who do not qualify for the federal employment program.
Federal Direct Subsidized Loan	Up to $3,500 for the first year of undergraduate study;	YES	FAFSA February 1 Master Promissory	Payment deferred until six months after student

	$4,500 for the second year of study; $5,500 for the third and fourth years of study		Note & Entrance Counseling	graduates or is no longer enrolled in at least six semester credit hours. Interest is not charged while student is enrolled in at least six semester credit hours.
Federal Direct Unsubsidized Loan	Same as subsidized, plus dependent students may borrow an additional $2,000 per academic year and independent students may borrow an additional amount up to $6,000 for the first or second year of undergraduate study, $7,000 for the third or fourth year of undergraduate study	YES	FAFSA February 1 Master Promissory Note & Entrance Counseling	Payment deferred until six months after student graduates or is no longer enrolled in at least six semester credit hours. Interest is charged during all periods.
Federal Direct PLUS Loan	Up to the cost of attendance minus other financial	YES	FAFSA February 1 PLUS loan authorization form Credit approval PLUS loan Master Promissory Note Parent borrower must meet all general eligibility requirements	Parent of dependent students may borrow this loan and is responsible for repayment. Repayment generally begins immediately, unless option for in-school deferment is selected.

Financial Support Options Specifically for Transfer Students

Transfer students who meet certain criteria may be eligible for awards or benefits to assist with covering their educational costs at NKU.

KCTCS Scholars Award

This scholarship is only for students transferring from the Kentucky Community and Technical College System. To be considered for the KCTCS Scholar Award that pays $2,500 annually ($1,250 per fall and $1,250 per spring semester), a student must:

- Be a legal Kentucky resident.
- Meet the deadline for the scholarship application. The website (https://www.nku.edu/admissions/transfer.html) provides access to the scholarship application and gives the deadline date for application.
- Have completed a minimum of 36 semester credit hours at a KCTCS school.
- Have attended a KCTCS institution as the last school attended.
- Have earned a minimum 3.0 cumulative GPA.
- Be eligible for regular admission to an undergraduate bachelor's degree program at NKU with no further remediation required.
- Be academically eligible to return to the prior institution.
- Remain in good academic standing at NKU as defined by the satisfactory academic progress guidelines used for financial aid eligibility.
- Not have been enrolled previously as a degree-seeking student at NKU.
- Transfer into fall or spring semester of school year.
- Enroll in a minimum of 12 credit hours in the fall and spring semesters.
- Are not in an Online Accelerated program.

Note: Students seeking post baccalaureate credit hours or a second bachelor's degree are not eligible.

Ohio Tuition Reciprocity

NKU has an undergraduate tuition reciprocity agreement with the University of Cincinnati, Cincinnati State Technical and Community College, Southern State Community College, Miami University - Hamilton, Miami University - Middletown, and Clark State Community College. This agreement extends reciprocity tuition rates to residents of certain Ohio counties who meet the program/residency requirements. To qualify, students must:

- Reside in Adams, Brown, Butler, Clermont, Clinton, Fayette, Hamilton, Highland, or Warren County in Ohio.
- Have earned an associate degree from the University of Cincinnati (including UC Blue Ash College, UC Clermont College), Cincinnati State Technical and Community College, Southern State Community College, , Miami University - Hamilton, Miami University - Middletown, or Clark State Community College.
- Be working toward a first bachelor's degree at NKU and not majoring in one of the ineligible programs (early childhood educationor nursing) .

Students who wish to be considered for this tuition reciprocity rate must submit a final transcript and all necessary credentials indicating that an associate degree has been earned by August 1 for fall semester, December 1 for spring semester, or May 1 for summer semester. This agreement and rate is subject to change or can be discontinued at any time.

Nonresident Transfer Award

This award is only for students transferring to NKU who live out of state, i.e., do not live in the state of Kentucky. To qualify for this $2,000 award ($1,000 per fall and spring semester only), a student must:

- Be admitted to NKU by the following dates: August 1 for fall semester or December 1 for spring semester.
- Receive a final transfer evaluation of at least 60 semester credit hours or 90 quarter hours; that is, equal to or greater than junior status from a regionally accredited institution(s).
- Be academically eligible to return to the institution previously attended and have earned a minimum 2.0 cumulative GPA.
- Be admitted to an undergraduate bachelor's degree program at NKU with no restrictions or academic deficiencies (a student is not eligible if the student has been previously enrolled at NKU as a non-degree, degree-seeking, or consortium student).
- Enroll in a minimum of 12 semester credit hours in both fall and spring semesters.
- Be a resident of any U.S. state except Kentucky or be an international student.

Students are <u>not</u> eligible for the nonresident transfer award if any of the following apply:

- They are receiving Ohio tuition reciprocity or the Indiana tuition rate.
- They are admitted to any online program.
- They have already earned a bachelor's degree.

An application is not required to receive this award. Awards are not tuition based and are awarded after tuition due dates.

KCTCS Nonresident Award

Effective Fall 2019: Out-of-state transfer students transferring directly from the Kentucky Community Technical College System (KCTCS) with an earned associate degree with a 2.0 GPA or greater will be eligible for in-state tuition rates. Students must be first-time transfer students to NKU and enroll full-time.

Additional Scholarship Opportunities for Transfer Students

Other scholarship opportunities for transfer students are available online (http://financialaid.nku.edu/scholarships.html).

Student Employment

Students may elect to work to assist with meeting educational costs and living expenses.

NKU administers the federal work-study program and an institutional student employment program. NKU administers these programs in accordance with the laws, federal and state regulations, and instructions issued by or on behalf of the Department of Education as well as its own institutional policies. The federal work-study program provides funds for students with financial need as determined by the FAFSA. These funds are earned through part-time employment and assist in financing the cost of postsecondary education.

Student workers must be enrolled for at least six credit hours during the fall and spring semesters. U.S. citizens are allowed to work a maximum of 25 hours per week during the academic year and a maximum of 35 hours per week during the summer session. For summer employment, the student must have been enrolled in the previous spring or intend to enroll for the upcoming fall semester. International students are allowed to work a maximum of 20 hours per week during the academic year and must be enrolled for 12 hours per semester.

Jobs.nku.edu

Cost of Attendance

The federal government requires that the Office of Student Financial Assistance establish an annual cost of attendance (COA). The COA includes tuition, room and board, books, transportation, and miscellaneous expenses. The COA differs based on a student's residency (Kentucky resident or nonresident). The COA also differs based on whether it is for an undergraduate, graduate, or law program. The COA can be prorated depending on the length of the term. Those with questions regarding a student's COA should contact the Office of Student Financial Assistance.

Satisfactory Academic Progress

This policy will be used to determine eligibility for aid for the 2017-18 academic year. This policy is current as of the date of this

publication and could be subject to change due to federal, state or institutional adjustments. Students should always review the policy on our website (http://financialaid.nku.edu) or contact our office for the most current information.

Federal regulations mandate that all students make satisfactory, measurable academic progress toward completion of a degree in order to receive federal assistance through Title IV federal grant, work, and loan programs.

First time freshman, new transfer students and new post baccalaureate students are automatically considered to be making satisfactory academic progress during their first academic year. These students will be subject to the standards of satisfactory academic progress at the end of their first academic year and thereafter. An academic year is defined as August to May.

- NKU's SAP standards comply with the requirements of the U.S. Department of Education.
- These are financial aid standards only and do not replace or override NKU academic policies.
- Academic progress will be reviewed at the end of each spring semester. For current students, satisfactory academic progress is usually determined in early June. Students who are not meeting academic progress requirements will be notified by mail.
- The academic progress of financial aid applicants will be reviewed as NKU receives FAFSA data.
- It is the student's responsibility to stay informed of the university's SAP standards and policy.

The academic progress of students will be reviewed for

- qualitative progress (GPA),
- quantitative progress (pace of completion), and
- maximum time frame for degree completion.

Students must maintain satisfactory progress in all three areas whether or not they have received financial aid in the past.

Qualitative Progress (GPA)

- Students whose academic standing status is academic warning, academic probation, or suspension are not considered to be meeting the qualitative (GPA) standards of academic progress.
- The following chart summarizes the minimum GPA required to be considered to be in good academic standing:

DEGREE PROGRAM	MINIMUM ACCEPTABLE CUMULATIVE GPA
Undergraduate student with 0-15 quality hours	1.66
Undergraduate students	2.0

Quantitative Progress (Pace of Completion)

Students must earn at least 67 percent of the total number of cumulative credit hours they have attempted. This includes **all** NKU coursework, remedial courses and transfer credits. Examples are below:

Student #1: Total Official Attempted Credit Hours: 84

Total Official Earned Credit Hours: 39

39/ 84 = 46%

This student has failed the quantitative (pace of completion) standard.

Student #2: Total Official Attempted Credit Hours: 54

Total Official Earned Credit Hours: 42

42/54 = 77%

This student has passed the quantitative (pace of completion) standard.

Note: Percentages are <u>not</u> rounded up. For example, a student who has earned 66.66 percent of their hours attempted is **not** considered to be meeting the quantitative (pace of completion) standard of academic progress.

Maximum Time Frame for Degree Completion

- Students are expected to earn a bachelor's degree before 180 credit hours are attempted.
- 150 percent of the hours required for completion are exceeded, if the degree requires considerably more than 120 hours to complete, as described in the catalog.
- Students are expected to earn an associate degree before 90 credit hours are attempted.
- The allowed time frame does not increase if you change your major, pursue double majors, or pursue an additional degree. However, students may appeal if they have experienced unusual or mitigating circumstances that prohibited them from meeting these standards.

Important Notes

- Classes for which students receive grades of *T* (audit), *F*, *NR* (grade not reported), *X*, *I*, *I+* or *W* (withdrawal) are not counted as earned hours. Incomplete coursework and deferred grades are not considered earned hours.
- Remedial courses are counted as hours attempted and earned but are not factored into the GPA component of satisfactory academic progress. Therefore, they are subject only to the quantitative (pace of completion) measure of SAP.
- English as a Second Language (ESL) courses are counted as hours attempted and earned as well as factored into the GPA component of SAP. Therefore they are subject to both quantitative (hours earned) and qualitative (GPA) measures of SAP.

Change of major and students who work toward an additional degree are subject to both the qualitative (GPA) and quantitative (pace of completion) measures of SAP.

Transfer hours are counted as both hours attempted and hours earned.

Hours included in academic renewal are counted as attempted hours.

Course Repetitions

When a student repeats a course, the last grade prevails and the original grade is removed from the GPA computation.

A repeated course may only count toward enrollment status if the student is receiving credit for that course. If it does not count toward enrollment status, the student will not receive financial aid for that course.

For financial aid purposes, a student may only repeat a course once if he/she has previously passed the course. If a student repeats a course more than once that he/she has previously passed, the student cannot receive aid for that course.

Re-establishing Financial Aid Eligibility

A student ineligible to receive financial aid for failure to meet the standards of satisfactory academic progress may re-establish his/her eligibility by enrolling at his or her own expense in a subsequent term and meeting the standards according to the qualitative (GPA) and quantitative (pace of completion) measures.

If a student was denied financial aid because he/she did not meet the minimum GPA standard but has taken courses to bring his/her GPA up to the minimum, the student should contact the Office of Student Financial Assistance. The student's record will then be evaluated to determine if he/she is meeting the pace of completion requirement. If the student is meeting all three components of academic progress, the student's aid may be reinstated.

If a student was denied financial aid because he/she did not earn at least 67 percent of the total hours attempted due to incomplete grades, and now grades have been recorded for those hours to meet the quantitative (pace of completion) progress standard, the student should contact the Office of Student Financial Assistance to have his/her aid eligibility re-evaluated.

If a student initially failed to meet the standards of academic progress but is now meeting the standards due to grade changes or the granting of academic renewal, the student should contact the Office of Student Financial Assistance to have his/her aid eligibility re-evaluated.

Appeals

If a student was denied their financial aid for failure to meet the academic progress standards, he/she may submit a written appeal if the student's extraordinary circumstances have been resolved. Students should not and may not base their appeal on their need for financial aid or their lack of knowledge that their financial aid was in jeopardy.

Students may appeal once per academic year.

The appeal decision by the committee is final.

If it is mathematically impossible for a student to achieve a cumulative GPA of at least 1.8 after one semester, a student's appeal will automatically be denied.

For undergraduates, this determination will be made based on the assumption of full-time enrollment (12 hours) and a 4.0 term GPA for one semester.

If it is mathematically impossible for a student to achieve a cumulative pace of completion of at least 67 percent after one academic year, the student's appeal cannot be approved and will automatically be denied.

This determination will be made based on the assumption of full-time enrollment (12 hours) for both fall and spring semester (total of 24 hours).

The Student Financial Aid Appeals Committee will review appeal requests and may grant approval for the following reasons:

The death of a relative of the student.

The personal injury or illness of the student.

Special circumstances as determined by the institution.

The committee meets twice a month during June, July, and August and at least once a month during September, December, and January.

Appeals must include:

A letter written by the student that clearly states the extraordinary circumstances that may have adversely impacted the student's academic performance. The appeal must indicate why the student failed to make satisfactory academic progress and what has changed that will allow the student to make satisfactory progress at the next evaluation. Supporting documentation is also required. Appeals submitted without supporting documentation will not be accepted and will not be submitted to the appeals committee.

Documentation to support all extenuating and/or unusual circumstance detailed in the letter. Note that documentation will not be returned; students must keep a copy for their records. NKU will not contact anyone to obtain information for an appeal.

Examples of supporting documentation include copies of obituaries, documentation issued by a physician or hospital, police records, or other documentation provided by a third party professional.

A student may submit a statement from his/her academic advisor, dean, or department chair, if the student feels it is appropriate.

If a student is appealing due to maximum timeframe, the student must include the Maximum Timeframe Academic Plan Worksheet in addition to supporting documentation.

Appeals may be approved or denied. Students will be notified of the results of their appeal. If a

student's appeal is approved, the student will be placed on financial aid probation and will be required to follow an academic plan for the academic year (two semesters) based on the following:

- If an undergraduate student failed to make academic progress because he/she did not meet the minimum GPA, the student must have a cumulative GPA of 2.0 after completing two semesters. A student who does not have a cumulative GPA of at least 1.8 at the end of the first semester of financial aid probation cannot receive aid for the second semester.
- If a student failed to make academic progress because he/she did not meet the quantitative (pace of completion) standard, the student will be required to earn 67 percent of their hours attempted for each of the two semesters. If a student does not earn 67 percent of the credit hours attempted during the first semester of financial aid probation, he/she cannot receive aid for the second semester. **Percentages are not rounded up.**
- If a student failed to make academic progress because he/she is exceeding the maximum timeframe, the student must complete the number of hours required per semester, as indicated on the Maximum Timeframe Academic Plan worksheet. If the student fails to meet the academic plan as outlined, the student will no longer be eligible to receive federal financial aid. Students must meet the academic plan requirements each semester in order to continue to be eligible to receive federal aid.
- A student may not submit an appeal if he/she fails to meet the requirements of the academic plan.
- If a student fails more than one standard and his/her appeal is approved the student will need to meet the academic plan requirements of each standard that he/she failed in order to receive aid for the second semester.
- Appeals must be received and reviewed before or during the term for which the student is requesting aid. Any appeal received after the last day of the term will be considered for the next term for which the student enrolls. Appeal decisions are not retroactive.
- Appeals decisions are applicable for one academic year only and do not carry over to a future academic year if the student does not enroll during the academic year for which their appeal was reviewed.

Summer Sessions

- Financial aid recipients have a conditional period of the summer session after the spring semester. This allows students a chance to bring up their GPA or to meet the quantitative (pace of completion) progress standard. If a student previously not meeting the academic progress standards meets the academic progress standards after completing courses during the summer session, the student's financial aid may be reinstated. Students should contact the Office of Student Financial Assistance to have his/her aid eligibility re-evaluated.
- If a student submits an appeal for the summer session and the appeal is approved, the student must then be meeting the standards of academic progress at the conclusion of the summer session in order to be eligible for aid for future years. Students who appeal for the summer session are not able to be placed on an academic plan.

How Withdrawing from Classes Affects Financial Aid

Withdrawing from classes could result in loss of or return of a student's financial assistance.

Nonattendance Policy

Students who do not attend their classes are subject to being dropped by their instructors for nonattendance. As a result, these students may lose part or all of their financial assistance. Any remaining balance must be repaid before the student can receive further financial assistance.

Return of Funds Due to Withdrawal

If a student completely withdraws from the university either voluntarily or involuntarily during a semester, a portion of the federal Title IV aid disbursed to the student must be returned to the financial aid programs. The percentage of Title IV aid required to be returned is based on the percentage of time remaining in the semester as of the student's date of withdrawal. This percentage is equal to the number of calendar days remaining in the semester divided by the total number of calendar days in the semester. Scheduled breaks of more than four consecutive days are excluded from this calculation.

$$\text{Percent of aid to be returned} = \frac{\text{Number of calendar days remaining in the semester}}{\text{Total number of calendar days in the semester}}$$

Example: A student who remains enrolled for 10 percent of a semester will be eligible to keep 10 percent of the total Title IV aid disbursed to him or her. The balance (90 percent) must be returned to the Title IV program(s).

Note: No Title IV aid funds are required to be returned if the student remains enrolled for more than 60 percent of the semester.

The date of withdrawal is the date a student officially notifies the NKU Office of the University Registrar of his or her intent to completely withdraw from school. If a student unofficially withdraws from school, the Office of Student Financial Assistance will use the midpoint of the semester to establish the student's date of withdrawal.

At the time a student withdraws, the Student Account Services office will automatically use all or a portion of the student's "institutional refund" as payment toward the amount that must be returned to the Title IV programs. The student may also be required to repay a portion of the aid funds that were directly disbursed to him or her in the form of a residual check. The student will be notified and billed for any grant funds that must be repaid immediately.

Failure to pay will result in a HOLD being placed on the student's account, and the student will not be allowed to register for classes, obtain grades, or obtain an academic transcript. Student loan funds are to be repaid in accordance with the terms of the loan.

Funds will be returned first to the Title IV loan programs and then the Title IV grant programs in the following order:

1	Federal Unsubsidized Direct Loan
2	Federal Subsidized Direct Loan
3	Federal Perkins Loan
4	Federal Plus Loan
5	Federal Pell Grant
6	Federal Supplemental Educational Opportunity Grant

Funds are not required to be returned to the federal work-study program.

Post-Withdrawal Disbursement of Title IV Aid: The Office of Student Financial Assistance will determine if a student is eligible to receive Title IV funds that were awarded but not yet disbursed to the student at the time of his or her withdrawal from school. If the student is eligible for a post-withdrawal disbursement, the Office of Student Financial Assistance will first apply these funds to the student's outstanding university charges (if any). Any remaining amount of the post-withdrawal disbursements will be mailed directly to the student.

Worksheets used to determine the amount of refund or return of Title IV aid are available upon request from the Office of Student Financial Assistance.

Return of Funds Due to Unofficial Withdrawal

Federal financial aid recipients who fail to receive any passing grades in a semester are subject to federal regulations titled Return of Title IV Funds. These students are considered unofficially withdrawn as of the midpoint of the semester. Without acceptable proof of attendance or participation in an academic related activity beyond the 60 percent point of the semester, the federal Title IV financial aid credited for the term is refunded to the aid program(s) from which it came at the rate of 50 percent of university charges. Loans are refunded before grants. For example, a student with a $3,500 Federal Direct Subsidized Loan and a $2,000 Pell Grant fails all of his or her classes for a semester. Assume the charges totaled $2,000. Federal regulations require that 50 percent ($2,000 x 50% = $1,000) be refunded to the Federal Direct Student Loan Program. The student's loan debt decreases, but the student still owes NKU $1,000 (assuming the student's account balance was $0).

Acceptable proof of attendance or participation in an academic related activity is a letter from a professor noting the last date of a student's presence in class or involvement in an academic related activity. Examples of academic related activities include physically attending a class where there is an opportunity for direct interaction between the instructor and students, submitting an academic assignment, taking an exam, an interactive tutorial or computer-assisted instruction, attending a study group that is assigned by the school, participating in an online discussion about academic matters, and initiating contact with a faculty member to ask a question about the academic subject studied in the course. Participating in academic advising is not considered an academically related activity. Financial aid recipients who fail to earn any passing grades for a given semester are notified by mail of the deadline for submitting documentation of class attendance or participation for the semester. Included in the student's notification is a class attendance verification form that can be completed by the professor verifying attendance. Late verification of attendance is not accepted.

NKU is required to comply with Title IV federal regulations in this manner to ensure continued participation in federally funded aid programs.

Return of Funds for Modules (R2T4)

For all programs offered in modules (a course that does not span the entire length of the semester), a student is considered a withdrawal for Title IV purposes if the student ceases attendance at any point prior to completing the payment period or the period of enrollment, unless the school obtains written confirmation that he/she will attend a module that begins later in the same payment period or period of enrollment. To determine if a student who is enrolled in at least one course offered in modules is considered a withdrawal, the student must have begun attendance in the period of enrollment, ceased to attend a course and at the time he/she ceased to attend, he/she was no longer attending any other courses as well.

Academic Program Opportunities

Academic Common Market

The Academic Common Market is a cooperative tuition-reduction agreement among 16 Southern Regional Education Board states. The program allows Kentucky students who are interested in an academic program not offered at a public/state-funded university in Kentucky to pay in-state tuition at participating public/state-funded colleges and universities. The list of programs included in the ACM is revised periodically to reflect the changing needs and offerings of participating states. The 16 states that participate in the ACM are Alabama, Arkansas, Delaware, Florida (graduate-level only), Georgia, Kentucky, Louisiana, Maryland, Mississippi, Oklahoma, South Carolina, Tennessee, Texas (graduate-level only), Virginia, and West Virginia. For more information, contact: the Vice Provost for Undergraduate Academic Affairs, 415 University Center, 859-572-6079, or the Council on Postsecondary Education, Kentucky ACM Coordinator, Frankfort, KY 40601, 502-892-3082.

Cooperative Education

Office: Career Services
Location: University Center 225
Telephone: 859-572-5680
Fax: 859-572-6996
Email Address: careerservices@nku.edu
Web Address: http://nku.edu/careerservices
Director: Bill Froude
Co-op Manager: Lisa McElfresh

Cooperative education is an academic option that incorporates relevant work experience into a student's program of study. This learning experience involves gainful employment, and academic credit is earned and applied toward associate and bachelor's degrees. The employment experience is planned, supervised, and coordinated by employers, faculty coordinators, and career services' staff. Students register for CEP 300 in order to receive cooperative education credit. For instructions, visit the website (http://inside.nku.edu/careerservices/students/coopinternships.html).

Requirements

To be admitted to the cooperative education program, a student must have an overall GPA of at least 2.20 based on a 4.00 scale. This GPA must be maintained throughout the student's cooperative education experience. To qualify as candidates for the program, associate degree students must have completed 15 semester hours; bachelor's degree students must have completed 30 semester hours.

Academic Credit

Students may work part time or full time, earning academic credit - one, two, three, four, five, or six credits - based on the total number of hours they work each semester. Students enrolled for six credits (full-time employment for an entire semester) are considered full-time students for the purposes of student benefits and activities. Credits earned in cooperative education count toward NKU graduation requirements for the associate or bachelor's degree. Bachelor's degree students may apply a total of 12 semester hours toward graduation requirements; associate degree students may apply a total of 6 semester hours. Cooperative education is graded pass/fail. Cooperative education credit does not replace any general education requirements. The application of cooperative education credit toward the degree will be determined by the student and the academic advisor. Academic loads may vary depending on special arrangements agreed to by a student's academic unit and Career Services.

Tuition

Cooperative Education students pay the usual tuition and fees; there are no special fees associated with Cooperative Education.

First-Year Programs

Location: University Center 122
Telephone: 859-572-5913
Email Address: firstyearprograms@nku.edu
Web Address: http://inside.nku.edu/fyp.html
Director/Senior Lecturer: Jeanne Pettit
Lecturer II: Tracy Hart

The Office of First-Year Programs is responsible for coordinating four major academic initiatives for freshmen: (1) UNV 101, (2) learning communities, (3) Alpha Lambda Delta, a freshman honors society, and (4) the Book Connection.

UNV 101: Orientation to College and Beyond

This course is an active-learning experience designed to help students make a successful transition to university life. UNV 101 provides students with essential information about university policies, rules, procedures, and resources. UNV 101 topics include critical and creative thinking, inclusiveness, college success skills, choosing a major and a career, and research strategies. Students are required to attend class and to interact with their instructor and classmates. Throughout the course, students are strongly encouraged to take responsibility for their own learning inside and outside of the classroom. Students will learn skills essential for a positive transition to college and to future transitions in their lives.

UNV 101 is a graded, academic, three-credit-hour course limited to freshmen. It counts as an elective that may be applied toward graduation. UNV 101 is taught by a specially trained group of instructors who come from various areas and disciplines across campus. Some sections may be team-taught by two instructors or be part of a learning community. Students may enroll for a UNV 101 course during registration.

Alpha Lambda Delta

Alpha Lambda Delta is a freshman honors society for first-time, full-time freshmen. Minimum criteria include that students must be in the top 20 percent of their class with a minimum 3.5 GPA at the end of their first semester. Students are invited to join, and an induction ceremony is held during the spring semester to honor students' academic achievement.

Learning Communities

Learning communities organize popular courses, including many general education courses, to promote student learning and to enhance connections among students, and among students and faculty. Typically, a group of 24 students enrolls in two or three courses that are linked together. Because they have shared classes, these students are more likely to become friends, form study groups, participate in class discussions, experience a deeper level of learning, and get to know faculty. Learning communities are open to all students, and students can choose from a wide range of options when they register for classes. However, students must register for all the courses linked together in a learning community.

The Book Connection

The Book Connection creates a sense of community and welcomes students to the academic life of the university by engaging them in a campus-wide discussion of a book of common interest. Every year, a different book is selected. All first-year students are given a copy of the book before the semester beings. Many faculty who teach first-year courses use the book in their classes. During the academic year, there are additional curricular and co-curricular activities addressing the various themes of the book.

Grant County Center

Location: 390 North Main, Williamstown, KY 41097
Telephone: 859-824-3600
Fax: 859-824-3625
Email Address: grantcounty@nku.edu
Web Address: http://grantcounty.nku.edu
Director: Sherry Cucchiara
Other Key Personnel:

Lecturers: Matt Birkenhauer, Sam Lapin

The NKU Grant County Center, located in Williamstown, Ky., is dedicated to increasing access to education for the residents of Grant, Gallatin, Owen, Pendleton, southern Boone, southern Kenton and Harrison counties. At the NKU Grant County Center, classes are small, services are outstanding, and the staff is supportive. Classes are available onsite and via interactive television. More information about the NKU Grant County Center can be obtained by calling the center at (859) 824-3600 or by email (GrantCounty@nku.edu).

Greater Cincinnati Collegiate Connection

NKU is a member of the Greater Cincinnati Collegiate Connection (GC3), which allows NKU students to take courses from GC3 member schools when those courses are not available at NKU.

A list of colleges and universities that are members of GC3 follows the list of policies below.

Policies

- NKU students may enroll in courses at a GC3 member institution providing that the course(s) is not offered at NKU for one academic year. Exception: the student has officially applied for graduation with the Office of the University Registrar and needs a course(s) to graduate. Course availability at a consortium college or university is on a space-available basis and students are responsible for ensuring they have taken the necessary prerequisites for consortium course(s).
- Students must be degree seeking and in good academic standing to participate in the consortium.
- Course load policies stipulate that:
  - Students may enroll in no more than two courses at the consortium (non-NKU) institution in any one semester.
  - The student's total load is governed by NKU's course load policy.
  - Student enrollment at the consortium institution may not exceed one-half of total class load for any one semester, and student must be enrolled in course(s) at NKU.
- The total number of consortium semester hours a student may take is limited to 12.
- Students enrolling at a member institution in the summer must either:
  - Also be enrolled at NKU in the summer, or
  - Have been enrolled at NKU at least half-time during the preceding spring semester, in which case they are not required to be enrolled at NKU during the summer.
- Tuition and fees:
  - Students who take courses through the consortium program pay tuition to NKU at the regular NKU tuition rate applicable to specific degree programs.
  - Students are required to pay course-related fees at the host institution.
- Students must have prior approval from the vice provost to enroll in course(s) through GC3. In addition:
  - Courses for credit toward an academic major must be approved by the chair of the major department.
  - Courses for credit toward an academic minor must be approved by the chair of the department housing the minor.

Courses for credit in the general education program must be approved by NKU's director of general education.

Course credits and grades for courses earned under this program will be posted on the NKU transcript.

Credit hours earned under this program are considered as credits earned in residence at NKU.

If credits earned are in quarter hours rather than semester hours, they will be multiplied by two-thirds to convert them to semester credit hours; for example three quarter hours = two semester hours.

Students must observe all regulations of the host institution. Course offerings and course schedules for a particular institution are available on the website of that institution. Forms for registering for this program are available in the Office of the University Registrar. Additional information can be obtained by calling NKU's Office of the University Registrar at 859-572-5556 or by visiting http://inside.nku.edu/registrar/registration/gc3.html.

Member Institutions of GC3

Art Academy of Cincinnati
Athenaeum of Ohio - Mount St. Mary's Seminary
Chatfield College (including the Findlay Market Campus)
Cincinnati State Technical and Community College (including the Middletown and Harrison Campuses)
Gateway Community and Technical College
God's Bible School and College
Good Samaritan College of Nursing and Health Science
Hebrew Union College-Jewish Institute of Religion
Miami University (including Hamilton Campus and Middletown)
Mount St. Joseph University (formerly College of Mount St. Joseph)
Northern Kentucky University (including Chase College of Law)
The Christ College of Nursing and Health Sciences
Thomas More College
Union Institute and University
University of Cincinnati (including Clermont College and Blue Ash College Campuses)
Wilmington College (including the Cincinnati Campus)
Xavier University

ROTC

ROTC Air Force
Telephone: 513-556-2237
Email: afrotc@ucmail.uc.edu
Web Address: www.uc.edu/afrotc
Contact at NKU: AFROTC Cadet Recruiter

Air Force ROTC Aerospace Studies is offered through a cooperative agreement with the University of Cincinnati. Qualified NKU freshman and sophomore students may participate in the program and may compete for scholarship opportunities through the United States Air Force ROTC.

Air Force ROTC prepares students to assume positions as commissioned officers in the U.S. Air Force, through a combination of classroom and practical leadership experiences, and esprit-de-corps activities with others in the cadet wing. Graduates are commissioned as second lieutenants trained to begin careers as pilots, navigators, engineers, program managers, scientists, space and missile operators, air battle managers, nurses, security forces or maintenance officers, as well as any of the more than 150 officer career fields offered.

The Air Force ROTC program begins with a general military course. Freshmen-and sophomore-level students participate in classroom work, a one-credit hour aerospace studies course, and a hands-on leadership-skills laboratory course. The program consists of 12 credit hours in aerospace studies courses that count toward your degree requirements. (Students must consult their academic advisor for details.)

Students interested in additional information may visit the national website (http://www.afrotc.com) or the local website (www.uc.edu/afrotc.html), or call 513-556-2237. Refer to the course descriptions section of this catalog for a list of military science (MSC) consortium courses.

ROTC Army
Location: University Center 120-J
Telephone: 513-745-1060
Email: weaverm7@xavier.edu
Web Address: http://www.xavier.edu/rotc
Contact at NKU: Martin Weaver

Military science/Army ROTC is offered through a consortium agreement with Xavier University. The Department of Military Science at Xavier is located in St. Barbara Hall on Xavier's campus and may be reached during business hours at 513-745-1060. An office is located on NKU's campus in University Center 120-J. The faculty listed above work in offices at both Xavier and NKU.

The Department of Military Science offers a commission as a second lieutenant and provides an opportunity for men and women to study subjects of recognized military and educational value, which assist them in gaining the foundations of leadership. The primary purpose of ROTC is to produce quality leaders to serve as commissioned officers in the United States Army, the Army National Guard, and the Army Reserves.

A commission is earned through a two-, three-, or four-year participation in the ROTC program. The four-year program is completed at the university and consists of courses numbered below 300 in the freshman and sophomore years, followed by courses numbered 300 and above in the junior and senior years. The two-year program begins with credit granted for prior military training, including basic training, or a four-week paid summer camp at Fort Knox, Ky., between the sophomore and junior years that teaches the student all subjects covered in the courses

numbered below 300. In the two-year program, the student completes the courses numbered 300 and above during the junior and senior years. Courses numbered below 300 are taken on a voluntary basis. There is no military obligation incurred for taking courses numbered below 300. The courses numbered 300 and above qualify the student for a commission as an officer in the United States Army. A military obligation is incurred for taking courses numbered 300 and above. Admission to courses numbered 300 and above must be approved by the chair of the military science department.

Selective admission requirements: Army ROTC seeks to produce officers for the United States Army, which means that only high-quality applicants with demonstrated leadership ability are sought and retained. To enroll in Army ROTC, students must be in good physical condition, be full-time students in good academic standing with their university, and maintain a cumulative GPA of at least 2.0.

Non-contracted (basic course) cadets must obtain a "sports physical" from a physician who must attest that there is nothing that would preclude the student from normal participation in a regular physical education class. Cadets who seek to contract must meet the Army physical fitness standards by passing the Army Physical Fitness Test and meeting the Army's prescribed height, weight, and body fat standard, be medically qualified by the Department of Defense Medical Examination Review Board, possess at least a 2.0 GPA, and maintain full-time enrollment in a bachelor's degree program. No prior military training is required, and students are not required to enlist in the Army to join ROTC. However, students who do have prior military service or who are current Army National Guard or Army Reserve members may be granted credit for MSC 100- and MSC 200-level classes, at the discretion of the professor of military science. Current National Guard and Reserve soldiers are encouraged to contact the department for information on gaining a commission through the simultaneous membership program.

More information about the program and details regarding specific courses are available on the website (http://www.xavier.edu/rotc). Refer to the course descriptions section of this catalog for a list of military science (MSC) consortium courses.

Scripps Howard Center for Civic Engagement

Location: Griffin Hall 527
Telephone: 859-572-1448
Fax: 859-572-1445
Email Address: engage@nku.edu
Web Address: http://civicengagement.nku.edu
Executive Director: Mark Neikirk
Coordinators: Felicia Share, Melanie Hartzel

For students who are looking for a chance to get outside of the classroom and learn from the real world, NKU opens doors they might not have imagined possible. For those who are looking to engage in lively discussions of current events and public policy, NKU welcomes their voices. The Scripps Howard Center for Civic Engagement coordinates and encourages learning opportunities in both of these crucial areas: service and citizenship. The center also is the home of NKU's nationally recognized Mayerson Student Philanthropy Project, which allows students to evaluate community needs and address those needs with mini-grants to nonprofit agencies.

Service

NKU students have travelled to California's agricultural valleys to learn about migrant workers and to New Orleans' Ninth Ward to learn about disaster relief. Closer to home, they have built web pages for small nonprofit agencies, designed exhibits for community museums, chipped in after tornadoes for disaster relief, and partnered with inner-city residents to address community needs. This marriage of curriculum and community service is called service learning. NKU offers about 50 service-learning classes each semester. Students will find service-learning classes across all majors. The Scripps Howard Center also works with academic departments to support internships, alternative spring breaks, applied research, and independent studies to provide additional routes for connecting academic experiences to community service.

Citizenship

Students interested in public affairs and current events will be attracted to programs sponsored or co-sponsored by the Scripps Howard Center for Civic Engagement. Students explore community, state, national, and international issues in the classroom and beyond the classroom. University-sponsored public forums draw students and the community together to discuss timely topics, from healthcare to new media, from the economy to education. The Scripps Howard Center also conducts nonpartisan voter registration drives; maintains an on-campus bulletin board, Democracy Square in Steely Library, for the exchange of ideas and commentary on public affairs; and coordinates NKU's Newspaper Readership Program to promote a climate of inquiry about public affairs and current events.

Do you have an idea about how to engage your fellow students? Contact the Scripps Howard Center for support.

Student Research and Creative Opportunities

The university strives to enhance the experiences of students by offering opportunities that enable them to fund and present research and creative work. Students can obtain funding for materials, supplies, equipment, software, or project-related travel while they conduct a project under the mentorship of a faculty member. Funding guidelines are available online (http://rgsrs.nku.edu/research/rgc/opportunities.html).

Students can also present their work at NKU's annual Celebration of Student Research and Creativity. This event, held during the spring semester, highlights students' achievements in a broad array of scholarly and creative activities. Students display their work through posters, oral presentations, interactive

demonstrations, performances, and exhibits of artistic work. For further information, contact the Office of Research, Grants, and Contracts at 859-572-5136 or visit the web (http://celebration.nku.edu).

Study Abroad

Office of Education Abroad
Location: University Center 305
Telephone: 859-572-6908
Email Address: studyabroad@nku.edu
Web Address: http://nku.edu/studyabroad
Executive Director: François LeRoy

The Office of Education Abroad coordinates all education abroad programs at NKU. Through membership in several consortia, third party providers, its own exchange agreements with foreign universities, and independently designed programs, the Office of Education Abroad is committed to providing students with a variety of affordable opportunities for education throughout the world. In addition to study abroad options, students can participate in internships, volunteering and service learning experiences, as well as Study Away programs within the United States. Education majors have the opportunity to teach overseas as part of their student teaching experience. Students earn academic credit for courses taken abroad through these programs. Students should consult with their advisors to ensure that courses taken abroad will count toward their major or minor requirements.

Student and faculty exchanges are offered in the following countries: Australia, China, Ecuador, England, France, Germany, Japan, Netherlands, Romania, Scotland, South Korea, Spain, Sweden, and Taiwan.

The office also provides information on numerous international scholarships including the NKU International Study Scholarship, Beyond the Classroom SOC 100 Award, Fulbright, Critical Language Scholarship Program, Rhodes, Boren Awards, the Benjamin A. Gilman International Scholarship, and British Marshall Scholarship.

All interested students should stop by the Office of Education Abroad to meet with a specialist to discuss these and other opportunities available to enrich their education. They may also call 859-572-6908 or visit the website (http://nku.edu/studyabroad).

Policies and Procedures

- Academic Appeals - Course Related
- Academic Renewal
- Academic Requirements and Regulations Updates
- Academic Standing
- ADA Policy
- Adding a Course
- Alcohol and Drug Abuse Policy
- Auditing a Course
- Catalog of Record
- Class Attendance
- Course Load
- Course Numbers
- Course Substitution
- Credit for Prior Learning
- Declaring and Changing a Major
- Diplomas
- Dropping a Course
- Four-Year Graduation Plans
- Full-time Status
- Grading Policies
- Graduate Courses
- Graduation Requirements
- Graduation Ceremonies
- Honor Code
- Instructor and Course Evaluations
- Misrepresentation of NKU Credentials
- Prerequisites and Co-Requisites
- Privacy Rights: FERPA
- Registration Holds
- Retaking a Course
- Sexual Discrimination and Sexual Misconduct
- Student Code of Conduct
- Tobacco-Free Policy
- Transcript Availability
- Transcripts from Other Institutions
- Transfer Credit
- Withdrawing from the University

Academic Appeals - Course Related

When a student believes that an instructor has violated his or her rights in the classroom - for example, discrimination in evaluating individual achievement, illegal discrimination or harassment - the student should follow the procedures listed in Code of Student Rights and Responsibilities, section 5.G (http://deanofstudents.nku.edu/policies/student-rights.html).

Grade Appeals

Any student who believes his/her final course grade is inaccurate, or based on factors that were not included in the grading policy, may appeal the grade. To be considered, the grade appeal must meet one or more of the following conditions:

- The method for determining the final course grade conflicts with the grading policy per the course syllabus or other announced grading policies.
- There is an alleged mathematical error in calculating the final course grade.
- There is evidence that the final course grade is based on something other than performance in the course.

Grades on individual assignments cannot be appealed.

If a student wishes to appeal a course grade, the procedure below should be followed:

- The student must initiate the appeal of the grade no later than fifteen (15) working days after the last date for faculty to submit grades. To facilitate the discussion, the student shall provide the faculty member with a written statement (email or letter) that outlines the grade appeal. If the student is unable to reach the faculty member, he/she should seek assistance in making contact through the chair of the department for which the course was

taught. After considering the student's appeal, the instructor must respond in writing to the student within five (5) working days from the receipt, stating whether or not the appeal is granted and stating the instructor's rationale for the decision.

If the student and the faculty member are unable to resolve the matter at Step 1, and the student wishes to continue to pursue the appeal, the student must submit a letter of appeal within five (5) working days of the instructor's decision to the chair of the department for which the course was taught. The department chair will review the issue in consultation with the student and faculty member. The department chair may uphold the decision of the faculty member or recommend a different solution. The chair shall submit a written response to the student and the instructor within 5 working days following the receipt of the student's letter of appeal. The instructor shall respond in writing within five (5) working days whether he/she agrees with the chair's recommendation. If a grade change is agreed, the record change shall be initiated by the instructor within 2 working days.

If no mutually satisfactory decision was reached at Step 2, the student may appeal to the dean of the college (or designee) that houses the course. The written appeal must be submitted within five (5) working days of receipt of the instructor's response. The dean (or designee) shall review the recommendation and respective documentation, and provide, in writing, to all parties a recommendation for the solution of the problem within five (5) working days following receipt of the written appeal. The instructor shall respond in writing within five (5) working days to all parties whether he/she agrees with the dean or designee's recommendation. If a grade change is agreed, the record change shall be initiated by the instructor within 2 working days.

If the student is dissatisfied with the results of the appeal in Step 3, the student may submit a written appeal requesting a hearing with the Grade Appeals Panel to the Vice Provost for Undergraduate Academic Affairs, within five (5) working days of the instructor's response to the dean's recommendation. The Vice Provost will convene a Grade Appeals Panel as soon as practical.

Grade Appeals Panel

Membership: The Grade Appeals Panel shall be comprised of a dean not involved in the appeals process, two faculty members from a department other than the one involved in the appeal (selected by the Vice Provost), and two undergraduate students (selected by the Dean of Students). The Vice Provost (or designee) convenes the panel and serves as a non-voting member.

Determination of Merit: The Grade Appeals Panel shall receive copies of the written appeal and all prior documentation. Thereafter, neither new evidence nor changes shall be introduced before the Grade Appeals Panel. The Grade Appeals Panel shall review the file to determine if the student's case meets any of the grounds for appeal. If the panel determines that the appeal does not meet any of the grounds, the appeal will not be considered. The ruling of the Grade Appeals Panel is final and must be communicated to all parties within 2 working days of the decision.

Hearing Meeting: If the Grade Appeals Panel determines that the case meets any of the grounds for appeal, the Panel will proceed to a full hearing of the appeal. All previously involved parties (instructor, student, chair and dean (or designee) have the right to attend the meeting and offer evidence or rebuttal. Both student and instructor may request to be accompanied by advisors during the hearing. Advisors may only consult and interact privately with the student and instructor during the hearing and will not be allowed to address the Grade Appeals Panel. The Vice Provost or her/his designee will notify the parties of the exact date, time and location of the hearing at least five (5) working days before the hearing. During the hearing, both student and instructor shall be granted time to present their case.

Deliberation and Decision: The Grade Appeals Panel shall deliberate confidentially and arrive at a decision by majority vote. If the Grade Appeals Panel finds that an academic evaluation based upon anything other than a good-faith judgment of a student's work has been proved, it will approve a grade change to the academic record. The Grade Appeals Panel shall provide a written report of its ruling to the student, the instructor, the department chair, and the dean of the college within five (5) working days of the hearing. The decision of the Grade Appeals Panel is final and binding. If a grade change is approved, the Vice Provost will forward the information to the Office of the University Registrar.

This policy supersedes the Grade Appeal Policy found on page 41 of the 2015-2016 Undergraduate Catalog.

If the instructor is not on contract or in residence on the campus or no longer employed by the University, the student may appeal in writing directly to the department chair of the department for which the course is taught.

If the procedure would normally occur during the summer and the student is not enrolled in any summer session, or the faculty member is not on campus, the procedure may be deferred until the fall semester at the student's or faculty member's written request, with copy to the department chair.

Academic Renewal

Academic renewal allows students who meet specific criteria to remove certain courses from their GPA calculation and credits earned. The courses and grades remain on the student's transcript, but they do not contribute to the GPA or total credits earned.

Academic Renewal Policies

A returning undergraduate student who has not attended NKU for a minimum of two full consecutive academic semesters may petition for academic renewal of NKU

coursework on a one-time-only basis. For the purpose of academic renewal, all summer sessions in one year will be counted as one semester.

When a student successfully completes 12 semester hours of courses numbered 100 and above at NKU, he or she should make an appointment with their academic advisor to discuss academic renewal and complete the Undergraduate Academic Renewal Petition on the website (http://inside.nku.edu/registrar/forms-records/forms.html).

To be considered for academic renewal, the student must have a GPA of at least 2.00 based on all courses completed since being readmitted and up through the semester in which the student earned the twelfth credit.

In completing an application for academic renewal, a student must specify the semesters that he or she wishes to be removed from the GPA calculation and credits earned.

For every semester selected for academic renewal, ALL courses transcripted for that semester will be subject to academic renewal.

For the semesters that are part of academic renewal, the courses and grades earned during those semesters will remain on the transcript, but the grades will not be included in the calculation of the student's overall GPA and the credits will not apply to the minimum of 120 semester hours required for the bachelor's degree or to the minimum of 60 semester hours required for the associate degree. The credits also will not apply to the bachelor's degree requirement of 45 credits at the 300 level and above.

Courses that are part of academic renewal and satisfy the requirements for general education may be applied, but without awarding of credit, toward those requirements, provided that the student passed the course(s) at an acceptable level. Such application for major/minor requirements is subject to written approval by the chair of the department housing the relevant major or minor. This approval is found on the academic renewal petition (http://inside.nku.edu/registrar/forms-records/forms.html).

The student's transcript will indicate the semesters that were subjected to academic renewal.

An updated transcript will be available via my Records on myNKU.

It is the student's responsibility to contact any agency providing financial assistance to determine the effects of academic renewal on past or future financial benefits.

Students may apply for academic renewal only once.

Students who first enrolled at NKU between fall semester of 2004 through summer semester 2009 may have policies that affect their records outside of this catalog. These students are encouraged to contact the Office of the University Registrar for clarification.

Academic Requirements and Regulations Updates

The colleges of the university reserve the right to change requirements. Program changes will become effective at the beginning of the next fall semester following their approval and are applicable only to new students and to readmitted students as stipulated elsewhere in this catalog under Catalog of Record. Changes in program requirements with any other effective date require the approval of the Provost.Students should refer any inquiries to the appropriate dean or the university registrar. Visit the university website (http://www.nku.edu) for more information.

Academic Standing

Student Classification: Students are classified based on the number of successfully completed semester credit hours earned in courses numbered 100 and above.

Freshman	0-29 credit hours
Sophomore	30-59 credit hours
Junior	60-89 credit hours
Senior	90 or more credit hours

Good Standing: A student is in good standing when he or she has a cumulative GPA that meets or exceeds 2.000 for all courses attempted at the 100 level and above.

Academic Warning

The first time a student's cumulative GPA drops below 2.00, the student is placed on academic warning and will receive a letter indicating the student's status and the consequences of being on academic warning. When a student is placed on academic warning, the following occur:

a) A registration hold is placed on the student's record, which prevents the student from registering for classes prior to meeting with an advisor.

b) The student will be required to meet with an advisor to remove the registration hold and to develop a plan for improving the student's academic performance.

c) The student will be advised to take advantage of the university's many services that support student success

Academic Probation

1) If a student on academic warning fails to increase cumulative GPA to at least 2.00, then the student will be placed on probation.

2) When a student is placed on academic probation, the following occur:

a) A registration hold is placed on the student's record, which prevents the student from registering for classes prior to meeting with an advisor.

b) The student will be required to meet with an advisor to remove the registration hold and to develop a plan for improving the student's academic performance.

c) The student will be allowed to take no more than 13 semester credit hours during fall and spring semester, no more than 6 semester credit hours in the summer, and no more than 1 class in any one summer or winter session.

d) The student is expected to work closely with an advisor to identify and take advantage of the university's many services that support student success.

3) A student will be removed from academic probation status upon achieving a cumulative GPA of at least 2.00. If a student previously on academic probation returns to good standing, and then cumulative GPA decreases below a 2.00 again, the student will return to probation. Students cannot return to Warning.

4) A student with a cumulative GPA of less than 2.00 will remain on academic probation if the student earns a GPA of at least 2.00 in the current semester.

5) A student on academic probation who fails to achieve a 2.00 cumulative GPA or a 2.00 in the current semester will be suspended.

Academic Suspension

First Suspension

- A student suspended from NKU or another institution for the first time for academic reasons is required to remain out of school for at least one academic semester (counting only spring and fall).
- After serving the period of suspension, a student may be reinstated or admitted to the university.
  - To be reinstated or admitted, the student must meet with the dean (or dean's designee) for the student's college or if the student is "undeclared," the director of Norse Advising, to discuss academic standing and future direction.
  - This meeting must occur by August 1 for fall semester, December 1 for spring semester, and May 1 for summer sessions.
- If the suspended student has remained out of school for more than two years, the student must complete and submit an application for readmission to the university once reinstatement has been approved.
- Step #2 also applies to students transferring to NKU who are ineligible to return to their previous institution(s) because of academic deficiencies or if they have a cumulative GPA of less than 2.00

Second Suspension

- A student suspended a second time is required to remain out of school for at least two full semesters (counting only spring and fall).
- The student will not be reinstated to NKU except in unusual circumstances and then only if the following conditions are met:
  - The student meets with the appropriate college dean (or dean's designee) or the director of Norse Advising if the student lacks a declared major and obtains a positive recommendation for reinstatement.
  - The student submits an appeal letter to the *ad hoc* group described in (c) below.
  - An *ad hoc* group, consisting of the dean (or dean's designee) from each of the undergraduate colleges plus the director of Norse Advising, approves the student's request for readmission.
  - Steps (a) through (c) are completed by August 1 for fall semester, December 1 for spring semester, and May 1 for summer sessions.
- If reinstatement is approved, the student must then complete and submit an application for readmission to the university.

Beyond Second Suspension

- A student suspended for a third time or more is required to remain out of school for at least two (2) semesters (counting only spring and fall).
- A student suspended for a third time or more will see on their NKU transcript a marking of "Final Suspension" as students in this standing will not be reinstated to NKU except in unusual circumstances, and only then if the same conditions are met that are stated in the Second Suspension policy (#2) above.

Appeal

Students may appeal an academic suspension to the Vice Provost for Undergraduate Academic Affairs if they believe that circumstances beyond their control prevented them from being academically successful.

For their appeal to be considered, students must provide a written appeal with appropriate supporting documentation. Students may not appeal an academic dismissal.

If the appeal is approved, the student can be reinstated with conditions put forth by the Vice Provost for Undergraduate Academic Affairs and the dean of the student's college.

ADA Policy

The Office for Student Accessibility (https://osa.nku.edu) provides academic accommodations and auxiliary aids to individuals with disabilities in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. The office staff are committed to providing reasonable accommodations and a supportive environment for qualified students with disabilities to ensure equal access to the university's programs and curriculum.

Adding a Course

- The online registration guide and online academic calendar list the dates when a student may add a course after completing registration.
- A course should be added via myNKU or in person at the Office of the University Registrar, Lucas Administrative Center 301. Registration for the added course is not official unless processed via one of these methods.
- When adding courses, a student should see the course load policy for allowable limits.

Alcohol and Drug Abuse Policy

In order to ensure the university's commitment to a quality educational and work environment, every faculty member, employee, and student has a right to work and learn in an environment free from the effects of abuse of alcohol and other drugs. It is the policy of the university to discourage the misuse and abuse of alcoholic beverages and other drugs.

NKU prohibits the unlawful possession, use, or distribution of drugs and alcohol on its property or as a part of its activities. A clear statement of unacceptable conduct and consequences related to student substance abuse is found in the Code of Student Rights and Responsibilities (http://scra.nku.edu/policies/student-rights.html).

Students may be accountable to both civil authorities and to the University for acts that constitute violations of both the law and the Code of Student Rights and Responsibilities (the Code). Those charged with violations of the Code are subject to University student conduct proceedings independent of any pending criminal proceedings and may not challenge University proceedings on grounds that criminal charges for the same incident have been dismissed, reduced, or not yet adjudicated.

The following misconduct is subject to disciplinary action:

- unauthorized distribution, possession, or use of any controlled substance, illegal drug, or paraphernalia on University Premises or at University-sponsored activities. Controlled substances are defined by the Kentucky Revised Statutes, chapter 218A.the use, possession, or distribution of alcoholic beverages on University Premises, except as modified by University policy appearing in a public place on University Premises or at University sponsored activities manifestly under the influence of a controlled or other intoxicating substance to the degree that there is danger to self, others, or property, or there is reasonable apprehension of such danger to persons in the vicinity.

The legal drinking age in Kentucky is 21. Individuals are personally responsible for knowing the laws that apply to substance abuse in Kentucky. In particular, individuals should be aware of the legal consequences for violation of the legal age, use of false identification, driving under the influence, and the sale or distribution of illegal drugs.

Recognizing that alcohol and drug abuse are serious problems in our society, NKU offers a variety of educational and assistance programs to the student population. For more information, students should contact the Office of Health, Counseling, and Student Wellness (http://hcsw.nku.edu), University Center 440, or by calling 859-572-5650.

Auditing a Course

- A student may enroll to audit a course when the student does not desire to earn academic credit for the course.
- The same registration procedures are followed and the same tuition and fees are charged as for credit courses.
- An audit form must be completed and filed in the Office of the University Registrar, Lucas Administrative Center 301, by the last day to register or enter a class.
- A grade of *T* is awarded for all audited courses, and no academic credit is awarded.
- Audited courses cannot apply to any degree or certificate programs.
- Students auditing a course are expected to follow the university's attendance policy. Other course requirements will vary depending upon the nature of the course and the individual instructor or program.
- Any change from audit to credit or credit to audit must be completed by the last day to register for a class.
- Refunds for withdrawals from audited courses are calculated according to NKU policy.

Catalog of Record

- A student's catalog of record is the source for all policies and program requirements associated with the student's degree requirements (for a list of degree requirements, see section on *Requirements for a Bachelor's Degree or Requirements for an Associate Degree*).
    - The most recent catalog in existence determines all other university policies and procedures.
    - A student's catalog of record does not impact course prerequisites or co-requisites. What is in effect when the student enrolls in the course determines the required prerequisites and co-requisites.
- The catalog in effect when a student enters the university (enrolls in classes) as a degree-seeking student is the student's catalog of record.
    - If a student is not enrolled for two or more academic years, the student will be required to follow all institutional and program requirements in effect at the time of re-entry to the university.

EXCEPTION: Adult learners re-entering the university with more than 80 hours earned under the Project Graduate program.

A student who is enrolled in a pathway partnership program or program with a signed memorandum of understanding will follow the catalog at the time they began the pathway.

A student may elect to change his/her catalog of record to a catalog issued at a later date. The student must then satisfy ALL requirements for the desired degree under the catalog selected.

To follow a later catalog, the student must make his or her intentions known by writing to the Office of the University Registrar (Lucas Administrative Center 301).

EXCEPTION: Transfer policies relative to GPA and course equivalencies will not change even if the student elects to follow a later catalog.

Except in unusual circumstances, the requirements of one catalog may be followed for no more than eight consecutive academic years from the time the student first enrolled. After eight consecutive academic years, the student's catalog of record will be the catalog following the one that just expired unless the student designates in writing to the Office of the University Registrar (Lucas Administrative Center 301) a more recent catalog.

Class Attendance

Classroom participation is essential to the educational process. When requirements of attendance are delineated in the syllabus, the instructor may lower a student's final grade because of absences. Students are responsible for material disseminated in class and online and are not released from this responsibility because they cease to attend. It is the student's responsibility to be aware of the calendar deadline for officially withdrawing from a course. If a student does not officially withdraw prior to this deadline and fails to successfully complete the required coursework, a failing grade will be recorded.

Non-Attendance Reporting

NKU students are expected to attend the first scheduled class session of each course for which they are enrolled. If a student does not attend the first day of class, the instructor may drop the student for non-attendance. Students who know they will be absent must contact their instructor(s) prior to the first class meeting to explain their absence and request to remain enrolled in the course.

Student Absence Due to Military Service

Northern Kentucky University recognizes and appreciates the important contributions made by Active Duty, Reserve, National Guard, ROTC military students in service to their country of allegiance. The university understands that students may be called into active military service for periods longer than 14 days or be required to be absent from class for shorter durations to fulfill military obligations.

The University has adopted an Active Duty Military Absence option to be considered for absences longer than 14 days. The University also has developed a Short-Term Military Absence policy for absences that exceed the attendance policy for the course(s) or last up to two weeks during the fall and spring semesters. The Short-Term Military Absence policy will apply to an equivalent time period in reduced semesters (e.g., 7-week terms and summer sessions).

Examples of Active Duty Military Absence include but are not limited to: individual or unit calls to active duty for deployment, natural disaster response, or receipt of military permanent change of station orders. Short-Term Military Absences may include funeral honor guard details, periodic training/drill obligations, ROTC field training exercises or service related medical appointments.

Students must provide instructors with maximum advance notice of absences and provide copies of their official military documentation (paper, electronic orders, or a unit's memorandum). It is the responsibility of the student to request the opportunity to complete missed work, and to complete coursework according to the terms mutually agreed upon between the instructor and the student. Registration for those courses in which instructors accommodate the absence will remain intact and tuition and mandatory fees will be assessed in full for those courses.

The Certifying Official and the Office of the University Registrar will collaborate to obtain a copy of the official military documentation. The Certifying Official and the Office of the University Registrar will work with the student and instructor to ensure complete understanding of the policy and the impact of the policy on the academic record, All parties will be notified and provide assistance in completing the form if necessary. If the student is serving in a country other than the United States, the Office of International Students and Scholars may be required to verify the student's military necessity for withdrawal.

Once the student is aware of call to duty, the student must discuss their circumstances with the Certifying Official located in the Office of the University Registrar. The student will be advised of the policy and given a Student Absence Due to Military Service form. Any withdrawal from the university may impact current and future VA benefits.

If a withdrawal is under any consideration, the student will immediately notify and collaborate with the instructor. After discussion with the instructor, the only viable option may be to withdraw from some or all classes. Should a withdrawal be necessary or adjustments be made for a course, the student will follow the procedures identified in option A and B found in the Absence Due to Military Service Form.

The student should see the Certifying Official located in the Office of the University Registrar. The student will be advised of the policy and given a Student Absence Due to Military Service form. If a withdrawal is being considered, the student will immediately notify and collaborate with the instructor.

The Certifying Official will collect a copy of the official military documentation and a completed Absence form. Any questions regarding the decision will be answered and explained to the student.

Per the student's form, the following may occur:

a. Withdraw from all classes with a 100% refund with the report date used as the effective withdrawal date. Student is then Deregistered using "Military/Civil Service" as reason for withdrawal.

b. Certifying Official will request the grade earned to date by the report date from each instructor, and that grade will be recorded by the official in the Office of the University Registrar. Student is then Deregistered using "Military/Civil Service" as reason for withdrawal.

c. Withdraw from selected courses as indicated on the Notification form with the report date used as the effective withdrawal date.

Required reporting, outside of notifying SAS, FA and the instructors, includes notifying the VA Education Division for students using a GI Bill or VA Education Benefit. This will be done by the Certifying Official within 30 days of the withdrawal date. SAS will process and return any federal Tuition Assistance refunds, and FA will process and return any state Tuition Assistance refunds in accordance to Title IV.

Late submissions can be accepted and processed. However, retroactive withdrawals cannot be processed more than 6 months from the "end of active duty" date. The Office of the University Registrar and the Certifying Official will verify end dates to determine whether or not a late withdrawal will be allowed.

Any withdrawals not included on the Absence form, meaning submitted by the student using myNKU, will be processed in accordance with the dates published on the University's Academic Calendar and may not be eligible for a refund. Appeals will be considered within 6 months of the "end of active duty" date. The student will need to provide a copy of the official military documentation before an appeal will be considered.

Course Load

It is normal that, for one 3-credit hour course, students should expect to spend five to six hours on course-related work outside of class time. This means that students carrying 15 credit hours may need to spend a minimum of 25 to 30 hours per week in outside class work. This must be considered in developing a class schedule.

The following course load policies apply for each semester/session:

The suggested undergraduate course load for fall and spring semesters is 15 credit hours.

The maximum course load in fall or spring semester is 18 credit hours (including audit, residence, correspondence, off-campus, and consortium courses). EXCEPTIONS:

A student who has attained a GPA of 3.00 or higher for a total of at least 15 credit hours for the preceding semester may be permitted by his or her dean to carry up to 21 credit hours.

If a student's curriculum specifies that a student should take more than 18 credits in a given semester, the student should follow the curriculum.

A student may take only one intersession course and one winter term course each year.

A student may take up to 6 credit hours during each of the five-week summer sessions for a total of 12 credit hours. The maximum course load for all summer sessions is 15 credit hours.

A student on academic probation may not take more than 13 credit hours in a fall or spring semester, no more than six credit hours total in summer, and no more than one class in any one summer or winter session.

A student with particular problems concerning course load should see the dean (or designee) of the college that houses his or her major.

Course Numbers

Course numbers help students to know which courses are most appropriate for them. Here is the explanation of NKU's course numbering system:

000-099: developmental courses; courses with these numbers may not be applied toward a student's classification or toward a degree.

100-199: courses intended for freshmen.

200-299: courses intended for sophomores.

300-499: courses intended for juniors and seniors.

500-599: courses intended for juniors, seniors, and graduate students.

600-899: courses intended for graduate students only.

Course Substitution

Requirements for specific majors and minors have been carefully established by the faculty of the relevant department, and they have been approved by the University Curriculum Committee. Thus, students are strongly urged to complete the requirements as listed in the catalog that they are following. There are, however, limited circumstances that justify deviating from the required list of courses, and the student may be allowed to substitute a different course in place of a required course. In those instances, a course substitution form must be requested by the faculty advisor, approved by the department chair, and submitted to the Office of the University Registrar (Lucas Administrative Center 301).

Credit for Prior Learning

Northern Kentucky University will grant credit to enrolled students based upon established prior learning assessment equivalencies. The University expects prior learning

recommendations to meet the institution's quality criteria, as outlined in assessment procedures herein outlined.

a) Prior Learning Assessments shall include:

- Advanced Placement (AP) Exams
- American Council on Education (ACE) Credit
- College Level Examination Program (CLEP) Exams
- Credit for Prior Learning Examination (CPLE), previously known as Advanced Standing
- DSST Credit by Exam Program
- Industry Credentials or licensure or certification that relate to the student's specialty area, such as the Financial Industry Regulatory Authority Examination (FINRA)
- International Baccalaureate (IB)
- Portfolio-Based Assessments, through the submission of a portfolio of work and formal instructional experiences, including life learning essays and documentation from the employer, which is evaluated by the appropriate department and has been assessed as equivalent to the learning outcomes for specific courses.
- World Language Incentive Program

b) Credit for prior learning may apply toward any part of a student's degree. The number of credit hours that a student can apply toward graduation through prior learning assessment is governed by the graduation requirements of the major. Appeals can be made to the dean (or designee) of the college where the student's major is housed regarding Prior Learning Assessment credit and residency requirements. Students cannot use Prior Learning Assessment credit to replace an unsatisfactory grade. However, students who attempt and pass a form of Prior Learning Assessment credit may still use this satisfactory credit to meet program, degree, and graduation requirements. Finally, NKU Prior Learning Assessment credit will only be granted for students who have enrolled at NKU.

c) University officials and departments will approve the award of credit appropriate to the overall context of the student's degree, and determine the nature of the credit (e.g., introductory-level courses, general education equivalencies, major courses, elective courses), consistent with Northern Kentucky University curriculum policies.

d) Credit for prior learning not entered as transfer credit shall be entered on the student's record by the Office of the University Registrar by the end of the term in which the assessment took place or the request for prior learning assessment credit was approved.

e) Student fees will only be collected for prior learning not entered as transfer credit.

f) To equate a form of prior learning to a NKU course, the initiating department must complete the Credit for Prior Learning Course Equivalency Request Form. The form must be signed by the department chair and the Dean of the initiating college. This form indicates that the prior learning assessment will assess all learning outcomes of the course. It will detail the process that was executed to ensure that the prior learning assessment effectively measures the learning outcomes for the course that it is being equated. The requested prior learning assessment equivalencies will require approval through the regular University curriculum approval process.

Advanced Placement (AP)

High school students may receive credit by earning the required score on an approved AP examination. An appropriate number of semester hours will be awarded, and a grade of pass (*P*) will be assigned for successful completion of approved courses. Information concerning the AP program may be obtained from a high school counselor. Official AP scores should be sent to NKU's Office of Admissions (Lucas Administrative Center 400). Additional information on regulations and approved NKU programs for AP credit may be obtained from the Office of Admissions. Examination scores range from 1 to 5. Subject areas in which a student may receive credit from NKU by earning acceptable scores are listed in the Appendix.

American Council on Education Non-Collegiate Sponsored Instruction (ACE)

Credit may be awarded based on educational programs offered by many large corporations or nonacademic institutes. Only programs approved and recommended by the American Council on Education will be considered for credit. Students may request evaluation of credit by sending the ACE transcript "Registry of Credit Recommendations" and appropriate course outline(s) to Prior Learning Specialists in Adult Learner Programs and Services. More information can be obtained by calling 859-572-5898.

College Level Examination Program (CLEP)

CLEP, a national program of credit by examination administered by the College Board, was adopted at NKU to provide individuals with an opportunity to earn credit by examination. The Office of Testing Services at NKU is a recognized CLEP testing center and provides information about the tests as well as administers them. A grade of pass (P) will be assigned for the successful passage of a CLEP examination. Students are urged to consult their advisors before registering for CLEP exams. NKU requires submission of an official score report. Check the university's testing website (https://inside.nku.edu/testing.html) for updates. Please see the Appendix for specific course equivalences. (The university reserves the right to revise these listings in accord with recommendations from the American Council on Education).

Credit for Prior Learning Examination (CPLE)

Currently enrolled, matriculated students can receive credit for certain approved courses by passing an examination in a subject in which they have demonstrated exceptional ability. There is a fee for each examination attempted. These examinations are graded as pass/fail. However, some departments may have minimum passing scores. If a failing grade is earned, the course will not be posted to the student's transcript. If a passing grade is earned, the student's NKU transcript will indicate the class as a Credit for Prior Learning

Examination (CPLE). Check the university's testing website (https://inside.nku.edu/testing.html) for updates.

DSST Examinations

The DSST credit-by-examination program, recommended by the American Council on Education, is a form of prior-learning assessment that gives students the opportunity to receive college credit as a result of their test scores. The Office of Testing Services at NKU is a recognized DSST testing center and provides information about the tests as well as administers them. A grade of pass (*P*) will be assigned for the successful passage of a DSST examination. Students are urged to consult their advisors before registering for DSST exams. NKU requires submission of an official score report for evaluation by NKU standards. Check the university's testing website (https://inside.nku.edu/testing.html) for updates. Please see the Appendix for specific course equivalences. (The university reserves the right to revise these listings in accord with recommendations from the American Council on Education).

Industry Credentials

We award credit for the passage of certain professional licensure examinations in fields like Nursing, Respiratory Care, Business, and Radiology. The list below shows the current Industry Credentials accepted at NKU. Please click the links to show the certifications accepted by NKU, the minimum score, the semester credit hours earned with that score, and the equivalent NKU courses. These equivalencies can also be found in the catalog appendices.

- American Board of Opticianry - National Contact Lens Examiners (ABO-NCLE)
- American Registry for Diagnostic Medical Sonography (ARDMS)
- American Registry of Radiologic Technologists (ARRT)
- Child Development Associate (CDA)
- Cisco
- Computing Technology Industry Association (CompTIA)
- Electrician's Certification (ELEC)
- Financial Industry Regulatory Authority (FINRA)
- Harvard Business School CORe (CORe)
- Kentucky License Recognition Sales Associate (RESA)
- National Association of Insurance Commissioners (NAIC)
- National Board for Respiratory Care (NBRC)
- National Council Licensure Examination (NCLEX-RN)
- Nuclear Medicine Technology Certification Board (NMTCB)
- Oracle
- Police Academy

International Baccalaureate (IB)

High school students completing this rigorous program may receive credit by earning the required score in a specific subject. An appropriate number of semester credit hours will be awarded the grade of pass (*P*) for successful completion of approved courses. To earn credit, the student must request that an official transcript issued by the New York office of the International Baccalaureate be sent to the Office of the University Registrar. Please see the Appendix for specific course equivalences.

Credit for Prior Learning Portfolio (CPLP)

Students may receive credit for certain approved courses via portfolio development for learning that has occurred through their military, career, and non-academic experiences. A portfolio is a set of written documents (and in some cases, oral supplements) that demonstrate experiential learning equivalent to the learning objectives of a specific course. Prior to development of a portfolio, the student must schedule a meeting with an advisor to determine program eligibility. For each portfolio attempted, the student will work with a faculty evaluator who will determine whether the portfolio and the student's experience meet the learning objectives of a specific course. Credit is granted upon recommendation of the faculty evaluator with approval from the appropriate department chair and dean. For more information about Credit for Prior Learning Portfolio call Adult Learner Programs and Services at 859-572-5898.

World Language Incentive Program

WLIP is intended for students who are enrolling in their first language course at NKU and who have prior experience in that language. French, German, and Spanish students must take the placement test which is available free-of-charge online (https://inside.nku.edu/artsci/departments/worldlanglit/placement.html) or in the language lab (Landrum Academic Center 103).

Students who place into a course above the 101 level should go to Landrum Academic Center 134 for the electronic permit for their indicated course, or they may consult the department coordinator or the department chair at worldlanglit@nku.edu. Students who are enrolling in their first language course at NKU who have prior experience in a language other than French, German, or Spanish should consult the Department of World Languages and Literatures (Landrum Academic Center 134) about enrollment in the appropriate course and WLIP credit.

Students who enroll at NKU in world language courses at the 102 level or higher and who complete one course in the same language with a grade of *C-* or better are eligible to receive credit for the 101 course in the same language. Students who enroll at NKU in a world language course at the 201 level or higher and complete two courses at the equivalent level or higher in the same language with a grade of *B-* or higher are eligible to receive up to 12 hours of retroactive 100- or 200-level credit in the same language. Transfer students may be eligible for retroactive credit after completing one course at NKU with a grade of *B-* or higher. Transfer students should contact the Department of World Languages and Literatures at 859-572-7650 to discuss the retroactive credit option.

Upon completion of the appropriate course(s), the student must submit an application for retroactive credit to the chair of the world languages and literatures department. Application forms are available in the department office, Landrum Academic Center 134.

Additional information regarding world language placement is available online (https://inside.nku.edu/artsci/departments/worldlanglit/placement.html). Students who receive credit through AP or CLEP exams

are still eligible for the World Language Incentive Program. The total language credits from all sources cannot exceed 12 hours. Requests for credit from students who complete courses in the 101-202 sequence out of order require the approval of the department chair, the assistant dean of the College of Arts and Sciences and the vice provost.

Declaring and Changing a Major

- Most students are allowed to declare a major at the time they apply to NKU or at the time they register as freshmen. This declaration is not considered binding, and the student may elect later to change his or her major.
- Freshman students uncertain about their major may choose an "undeclared" major.
- Students seeking a bachelor's degree should declare an academic major by the time they reach 30 earned credit hours, but not later than 40 hours. Transfer students entering with more than 40 hours credit will be required to declare an academic major by the end of their first semester of enrollment.
- Students seeking an associate degree should declare a major by the time they complete 20 earned credit hours. Transfer students entering with more than 20 hours credit will be required to declare an academic major by the end of their first semester of enrollment.
- Students **must** submit a declaration/change of major request through the online form in the myNKU portal any time they elect to change their program. It is a student's responsibility to submit this online form, and once submitted, it will be routed electronically to the appropriate department(s) and the Office of the Unversity Registrar for approval. Failure to submit this form may affect the student's graduation plans.

Diplomas

The diploma, which documents that one has earned a degree, is issued and dated only after all graduation requirements are met. NKU awards electronic and paper degrees in May, August, and December. Diplomas are emailed to the student NKU email address and U.S. mailed to the recipient's U.S. diploma address submitted at the time of application. Delivery of the paper diploma generally takes at least six to eight weeks following commencement.

Dropping a Course

Dropping a Course - Student Initiated

- Once the full semester has begun, students may withdraw from a course only during the session or semester in which the course is taken.
- There are three time periods that relate to withdrawing from a course. The online registration guide and online academic calendar list the relevant semester dates and their equivalencies for courses of differing lengths.
    - Weeks 1 through 3 or equivalent: during the first three weeks or equivalent of the semester, official course withdrawals are not reflected on the student's transcript. That is, the transcript will not indicate that the student was ever registered for the course.
    - Weeks 4 through 10 or equivalent: a student who withdraws from a course after the third week of the semester (or equivalent) and prior to the end of the 10th week of the semester (or equivalent) will receive a grade of *W* for the course.
    - Weeks 11 through 14 or equivalent: course withdrawals after the 10th week or equivalent are not usually allowed. In circumstances beyond the student's control, a *W* may be granted with approval of the instructor, the chair of the department offering the course, and the dean of the college offering the course. In cases not approved, the student will receive the grade of *F* (failure).
        - Students withdrawing completely after the 10th week need only the approval of the dean of the student's major.
        - The instructor may not issue a *W* as the final grade for students who did not withdraw prior to the 10th week or equivalent if they are not covered by exceptions listed above.
- All subsessions offered throughout the academic year are prorated accordingly.

Removal from a Course - University Initiated

- Students are expected to attend the first day of each course for which they are enrolled. A student who, without previous arrangement with the instructor or department, fails to attend the first class meeting of a given term may be dropped from the course. An instructor may drop a student for nonattendance only during the regular drop/add period of the term as defined by the academic calendar. Nonattendance does not release students from the responsibility to officially drop any course for which they have enrolled and choose not to complete.
- A student may also be dropped from a course as a result of his or her disruptive classroom behavior. See the Code of Student Rights and Responsibilities (http://deanofstudents.nku.edu/policies/student-rights.html) for more information

Final Exams

All classes will meet during the officially scheduled time for the final exam as published on the Office of the University Registrar's website. During the scheduled exam time, the faculty member will either administer a final exam or, if an exam is not warranted, provide some other meaningful course-related experience.

A take-home final exam does not eliminate the need to use the final exam time to either administer an in-class exam or provide another meaningful course-related experience.

No student can be required to take more than two final exams on the same day. If more are scheduled, it is the student's

responsibility to contact the faculty no later than the 14th week of the semester (or its equivalent) to work out a plan to move one of the exams to a different date. If none of the faculty agrees to a different exam date, the faculty member giving the third exam of the day is required to arrange a different date for the student to take the exam.

Four-Year Graduation Plans

Each academic major described in the college/department sections of the catalog is linked to a four-year graduation plan that shows one way that a student entering NKU fully qualified to undertake college-level study - that is, no deficiencies requiring developmental coursework - can complete all degree requirements in four years. These plans do not take the place of the academic advisor, and students must still work with their advisors to ensure timely graduation. They do, however, provide helpful guidance. In order to access a four-year plan, the student must use the online version of the catalog.

Full-time Status

To be classified as a full-time undergraduate student at NKU, the minimum course load is 12 credit hours in a fall or spring semester and nine semester hours in summer.

Grading Policies

Calculating a Grade-Point Average (GPA)

Consider ONLY courses numbered 100 and above.
Developmental courses do not contribute to the GPA.
For each course, multiply the credits awarded by the letter grade. Each letter grade, A through *F*, has a numerical equivalent that is listed in the grading scale table given earlier. For example, if a course numbered 100 and above is worth three credits and the student earns a grade of *B+*, then multiply three times 3.333 to get 9.999. This yields the points for that course.
Add together all of the points.
Add together all of the credits for courses that were assigned a letter grade and that were at the 100 level and above.
Divide the sum of the total points by the sum of the credits.
Note: Grades of *I, N, NR, P, T,* and W do not affect the GPA; a grade of *F* does affect it.
Here is an example of how to calculate a GPA:

Course No.	Credits	Grade	Grade Value	Points
ENG 101	3	B+	3.333	9.999
CMST 101	3	A-	3.667	11.001
MAHD 095	0	A-	course below 100	0
HIS 103	3	B	3.000	9.000
AST 110	4	F	0	0
	13			30

GPA = 30/13 = 2.308

Grade Change

If a grade change is required due to an error, it must be accomplished by midterm of the next full semester after the issuance of the incorrect grade.
If the time limitation has been exceeded, the instructor must attach a written explanation of the causes for the delay and deliver the change to the chair, who will forward any approved changes to the appropriate dean's office.
For *I* (incomplete) grades being changed to letter grades, the instructor and department chair must approve the change; for letter grade changes to another letter grade, the instructor, the department chair, and the appropriate dean must approve.
Changes become official when received and recorded by the Office of the University Registrar.
For information on "grade appeals" - where there is a difference of opinion between the student and the instructor - see the catalog section dealing with *academic appeals.*

Grading Scale

Grade	Value in GPA Calculation	Interpretation
A	4.000	Exceptionally high achievement
A-	3.667	
B+	3.333	
B	3.000	High achievement
B-	2.667	
C+	2.333	
C	2.000	Average achievement
C-	1.667	

D+	1.333	
D	1.000	Below average achievement
F	0.000	Failure

Other grading options include the following:

I An *I* grade may be assigned when part of the work in a course remains incomplete. It is given only at the student's request and when th completion of the work. The student and faculty member will mutually set a deadline for completion of the work. The faculty member w coursework is not completed by the last day of the following semester (excluding summer and winter terms), a grade of *F* will automat of an *I* grade due to unforeseen family or medical circumstances and will notify the university registrar of such action. Under no circum grade is not used in computing the student's GPA.

N Represents satisfactory performance in those courses that carry no academic credit but must be taken in conjunction with other course

NR Is a temporary grade indicating that a grade was not yet reported for the particular course. When the grade is issued, the *NR* will be cha student's GPA.

P Represents satisfactory performance, or "passing," in those courses graded pass/fail. Only the grade of *C-* or better is considered passin student's GPA.

T Represents an audit (no academic credit awarded). This grade is not used in computing the student's GPA.

W Represents an official withdrawal from a course. The *W* appears on the permanent academic record but it is not used in computing the

VF Represents a failing grade that is available, whereby the student ceases to participate in coursework and at a faculty member's discreti grade computes into the student's GPA the same as the F grade, and it will appear on the permanent academic record. When assigning the grade may only be assigned following some participation in the course.

Honors Lists

All undergraduate students attempting at least 12 semester credit hours at the 100 level and above (this excludes developmental coursework) who achieve a semester GPA of 4.000 at the completion of a semester's work will be appointed to the President's Honors List.

All undergraduate students attempting at least eight semester hours at the 100 level and above (this excludes developmental coursework) achieving a semester GPA of at least 3.600 at the completion of a semester's work will be appointed to the Dean's List.

All undergraduate students attempting at least three semester hours but fewer than eight semester hours at the 100 level and above (this excludes developmental coursework) achieving a semester GPA of at least 3.600 at the completion of a semester's work will be appointed to the Scholar's List.

Pass/Fail Grading Option: Student-Initiated Option

The student-initiated option to take a course pass/fail encourages students to experiment in academic disciplines by enrolling in courses they may not take normally if subjected to the same grading pressures incurred as in their major area of study. For this reason, pass/fail can contribute substantially to a student's breadth of experience at NKU.

Taking courses pass/fail under the student-initiated option is subject to the following restrictions:

- The student must complete the appropriate form online (https://nku.co1.qualtrics.com/SE/?SID=SV_5p6RJuqqAJNBUGN).
- The form can be completed at the time of registration but not later than the last day to register for a class for that semester/term as listed in the appropriate online academic calendar.
- The choice to receive a traditional letter grade or a pass/fail grade cannot be changed after the last day to register for a course except by withdrawal or by repeating the course.
- A student may not repeat a course on a pass/fail basis in order to replace a previously earned letter grade of *A* through *F*.
- The student must be a bachelor's student who has attained junior standing (having earned 60 credit hours or more).
- Courses taken pass/fail must be elective in nature and cannot be used to fulfill specific general education, major, minor, or focus requirements. Pass/fail courses may be applied toward 300 level and above course requirements.
- No more than 12 credit hours toward graduation may be completed through the student-initiated pass/fail.
- Only the grade of *C-* or above will be considered passing when courses are taken under the pass/fail option; the grades of *D* and *F* will be recorded as failing grades.
- The grade of *P* will not be computed in the GPA but the credit hours associated with the course will be counted as credit hours earned and will count toward graduation under the restrictions previously mentioned.
- The grade of *F* will be computed in the student's GPA as hours attempted.

Under the student-initiated pass/fail policy, the instructor will not know whether an individual is taking the course for a traditional letter grade or pass/fail. When the semester ends, the instructor will submit traditional letter grades for all students. For those students taking the course as pass/fail, grades will be converted by the Office of the University Registrar.

Should a student change major, minor, or focus after having taken a course under the student-initiated pass/fail option, any discussion regarding acceptance of the course for major, minor, or requirements will be made on an individual basis by the appropriate department chair. If needed, and with the student's permission, the instructor's record of the original letter focus grade may be consulted in such a case.

Graduate Courses

In general, no undergraduate student may enroll in a course at the 600 level or above. At the beginning of the semester, the Office of Graduate Programs will notify any student enrolled in a graduate-only course, and the student will be required to drop the course. If the student fails to drop the course, he or she will be administratively removed from the course by the Office of Graduate Programs.

EXCEPTION: An undergraduate student who has no more than six credits remaining to complete a bachelor's degree may be dually enrolled as an undergraduate and graduate student, provided the student has the approval of his or her undergraduate academic advisor and the relevant graduate program director. Students seeking dual enrollment must submit a graduate application and meet all admission requirements for the graduate program with the exception of the undergraduate degree. Once accepted, a dually-enrolled student may take a maximum of 12 credits, six at the graduate level and six at the undergraduate level, in a single semester. Graduate credit for these courses will not be granted unless all work for the undergraduate degree is completed in the semester in which the student is enrolled for graduate credit. Credits earned in a graduate course cannot apply toward both a bachelor's and a graduate degree. Students taking undergraduate and graduate courses concurrently will be assessed tuition at the graduate level for all courses.

Graduation Requirements

Requirements for a Bachelor's Degree

In order to receive a bachelor's degree, a student must:

- Complete a minimum of 120 semester credit hours.
- Complete from NKU* at least 25 percent of the credits required for the degree.
- Complete the last 30 semester credit hours from NKU*. Limited exceptions are possible when approved by the dean (or designee) of the college where the student's major is housed.
- Complete developmental coursework, if required.
- Complete the general education requirements for a bachelor's degree.
- Complete at least 45 semester credit hours in courses numbered 300 and above. **Note**: Freshman- and sophomore-level courses completed at other institutions may have course titles or content similar to certain 300- and 400-level courses at NKU. In consultation with the department chair where the equivalent NKU course is housed, it will be determined whether such courses will contribute to meeting NKU's requirement for 45 credits in courses numbered 300 and above.
- Complete the requirements for the major.
- Complete one of the following:
  - A minor in a discipline outside the major discipline
  - -- OR --
  - A minor in an interdisciplinary program offered by NKU
  - -- OR --
  - A focus consisting of at least 12 credit hours of courses in the same designator that are numbered 300 or higher. An interdisciplinary focus may also be available from interdisciplinary programs within some departments. See the department/school's catalog description for details of availability. A focus that contains courses with differing designators may also be permissible if all courses are related to a single discipline/topic. In such a case, approval is required from the department/school that will house the focus. When a focus consists of courses with differing designators, students should seek approval in advance. Minimum grade restrictions may apply, see the department's entry in the catalog for more detail.
  - -- OR --
  - A second major offered by NKU
  - -- OR --
  - A minor included within the major where the student is exempted from the minor/focus/second major requirement. Please see appropriate individual program requirements to determine if the program exempts the student from the minor/focus/second major requirement.
- The requirements for a student's major(s), minor(s), and focus area(s) must all be based on the same catalog. See the Catalog of Record section for more information.
- Satisfy the computer-use competency requirement as determined by the student's major department.
- Participate in university-wide mandatory senior assessment and any senior assessment requirements associated with the major and minor.
- Remove all incomplete grades by earning a grade of *A* through *F* in place of each one.
- Earn an overall GPA of at least 2.00 (excluding developmental coursework) and a GPA of 2.00 in each of the following: the major, minor, and focus (unless the major or minor department has a higher GPA requirement).
- Satisfy all financial and administrative obligations to the university.
- Apply to graduate.

*__Note__: For the purposes of the policies related to graduation and graduating with honors, approved courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Applying to Graduate - Bachelor's Degree

To apply to graduate with a bachelor's degree, a student must:

- Have a **program certification form** on file.
  - One signed form is required for each major, minor, and focus the student is completing.

The form is available online, and the department chairs (or designees) of a student's major and minor fields of study must each sign the program certification form. The chair of the student's major fields of study should sign the program certification form for the area of focus.

The program certification forms must be submitted concurrently with the application for degree candidacy, described below.

File an **Application for Undergraduate Degree Candidacy** in the Office of the University Registrar. The application is available online through myNKU and should be submitted by the following dates.

For fall graduation	May 31
For spring graduation	Nov 30
For summer graduation	April 30

Pay the **application to graduate fee**.

For fall semester graduation, apply for undergraduate degree candidacy:

By May 31	$ 50
Between June 1 and August 31	$ 80
Between September 1 and September 30	$100

*Graduation applications submitted after September 30 will not be processed for fall semester graduation unless special approval is obtained. Those graduating with a bachelor's degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for fall graduation. The fee is $100.

For spring semester graduation, apply for undergraduate candidacy:

By November 30	$ 50
Between December 1 and January 15	$ 80
Between January 16 and February 15	$100

*Graduation applications submitted after February 15 will not be processed for spring semester graduation unless special approval is obtained. Those graduating with a bachelor's degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for spring graduation. The fee is $100.

For summer semester graduation, apply for undergraduate candidacy:

By April 30	$ 50
Between May 1 and May 31	$ 80
Between June 1 and June 30	$100

*Graduation applications submitted after June 30 will not be processed for summer semester graduation unless special approval is obtained. Those graduating with a bachelor's degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for summer graduation. The fee is $100.

Second Bachelor's Degree

A student who wishes to receive two bachelor's degrees may meet the requirements for them concurrently or consecutively.

In order to receive two bachelor's degrees on the same date, a student must:

- Complete requirements for both degrees.
- Complete both degrees based on the same catalog. See the Catalog of Record section for more information.
- Earn a minimum of 30 semester credits from NKU* in addition to the hours required for the first degree.
- The student must earn a minimum of 60 semester credits from NKU.

A student wishing to earn a second bachelor's degree after receiving the first must:

- Complete major requirements for the second degree.
- Earn a minimum of 30 semester hours from NKU beyond the credits earned for the first degree. Of these at least 12 must be in the major field for the second degree.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Graduating with Honors - Bachelor's Degree

In order for a student to graduate with bachelor's degree honors, the student must earn a minimum of 30 semester credits from NKU* and have an overall GPA and NKU GPA of at least 3.50, excluding developmental coursework. The level of honors will be based on the NKU GPA.

There are three levels of bachelor's degree honors:

Cum laude:	3.50 - 3.7499
Magna cum laude:	3.75 - 3.8999
Summa cum laude:	3.90 - 4.00

Honors recognition appears in the commencement program based upon the student's NKU GPA (excluding developmental coursework) at the conclusion of the previous semester. Honors will appear on the transcript based upon the student's NKU GPA (excluding developmental coursework) at the time of graduation.

In order to be considered for graduation with honors, a student who has a bachelor's degree and is earning a second bachelor's degree must complete a minimum of 30 semester credits from NKU* beyond those earned for the first bachelor's degree.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Two or More Majors - Bachelor's Degree

A student may earn two or more majors by completing the requirements for all of the majors and earning a minimum 2.00 GPA in each. **Note**: Some programs require a GPA higher than a 2.0.

The degree conferred (for example, B.A., B.S., B.F.A.) will be based upon the student's first major. All majors will be indicated on the student's academic transcript. The "first major" is the one with the earliest submission date. A student who wants his or her "first major" to be the one with the more recent submission date should make this change at the Office of the University Registrar (Lucas Administrative Center 301).

Requirements for an Associate Degree

In order to receive an associate degree, a student must:

Complete a minimum of 60 semester credit hours, the last 20 of which must be taken from NKU*.

Complete developmental coursework, if required.

Complete the general education requirements for an associate degree.

Complete the requirements of the major for associate degree candidates.

Remove all incomplete grades by earning a grade of A through F in place of each one.

Earn an overall GPA of at least 2.00 (excluding developmental coursework) and a GPA of 2.00 in the major (unless the department has a higher requirement for the GPA in the major).

Satisfy all financial and administrative obligations to the university.

Apply to graduate.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Applying to Graduate - Associate Degree

To apply to graduate with an associate degree, a student must:

Have a **program certification form** on file.

The form is available online and must be signed by the department chair (or designee) of the student's major field of study.

The program certification form must be submitted concurrently with the application for degree candidacy, described below.

File an **application for undergraduate degree candidacy** in the Office of the University Registrar (Lucas Administrative Center 301). The application is available online through myNKU and should be submitted by the following dates.

For fall graduation	April 22
For spring graduation	October 22
For summer graduation	April 22

Pay the application to graduate fee.

For fall semester graduation, apply for undergraduate degree candidacy:

By April 22	$ 50
Between April 23 and Aug. 8	$ 80
Between August 9 and Oct. 31	$100
After October 31*	$100

*Graduation applications submitted after October 31 will not be processed for fall semester graduation unless special approval is obtained. Those graduating with an associate degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for fall graduation.

For spring semester graduation, apply for undergraduate degree candidacy:

By October 22	$ 50
Between October 23 and January 8	$ 80
Between January 9 and March 30	$100

After March 30* $100

*Graduation applications submitted after March 30 will not be processed for spring semester graduation unless special approval is obtained. Those graduating with an associate degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for spring graduation.

For summer semester graduation, apply for undergraduate degree candidacy:

By April 22	$ 50
Between April 23 and May 31	$ 80
Between June 1 and July 1	$100
After July 1*	$100

*Graduation applications submitted after July 1 will not be processed for summer semester graduation unless special approval is obtained. Those graduating with an associate degree must receive permission from the associate dean of their college. Even with that approval, there is no guarantee that the application can be processed in time for summer graduation.

Second Associate Degree

A student who has not earned a bachelor's degree and wishes to receive two associate degrees may meet the requirements for them concurrently or consecutively. In order to receive two associate degrees, a student must:

- Complete requirements for both degrees.
- Earn a minimum of 20 semester credits from NKU* beyond requirements for the first degree.
- Earn a minimum of 40 semester credits from NKU* in order to earn two NKU associate degrees.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Graduating with Honors - Associate Degree

In order for a student to graduate with associate degree honors, he or she must earn a minimum of 30 semester credits from NKU* and have an overall GPA and NKU GPA of at least 3.50, excluding developmental coursework. The level of honors will be based on the NKU GPA.

There are two levels of associate degree honors:

With distinction:	3.50 - 3.799
With high distinction:	3.80 - 4.00

Honors recognition appears in the commencement program based upon the student's NKU GPA (excluding developmental coursework) at the conclusion of the previous semester. Honors will appear on the transcript based upon the student's NKU GPA (excluding developmental coursework) at the time of graduation.

In order to be considered for graduation with honors, a student who has a bachelor's degree and is subsequently earning an associate degree must complete a minimum of 30 semester credits from NKU* beyond the credits that were required for the bachelor's degree.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Associate Degree after a Bachelor's Degree

A student who has already earned a bachelor's degree and wishes to receive an associate degree must:

- Complete the requirements for the associate degree.
- Earn a minimum of 20 semester credits from NKU* beyond the credits that were required for the bachelor's degree. Of these 20 credits, at least 12 must be in the discipline of the associate degree.

***Note**: For the purposes of the policies related to graduation and graduating with honors, courses taken through the Greater Cincinnati Collegiate Connection are treated as though they were taken from NKU.

Mandatory Senior Survey

- Completion of the senior survey is a bachelor's degree graduation requirement.
- A student is eligible to take the survey after an application for graduation has been processed.
- An email notification with information about the online survey is sent to an eligible student during the semester in which graduation is expected.

Graduation Ceremonies

Each year, NKU holds two graduation ceremonies: one in May and one in December, each occurring on the weekend following final exams. **Note**: Participating in these ceremonies does not mean that one has graduated.

The graduation ceremony is held on campus in the BB&T Arena and is currently followed by a reception for graduates, their guests, and the faculty, staff, and administrators participating in the graduation ceremony. At this time, there is no limit to the number of guests that a graduate can invite, and guests are not required to have a ticket.

In order to participate in the December commencement ceremony, an undergraduate student must have either:

- Completed all classes required for the degree.

-- OR --

Be enrolled that fall in all classes needed to complete the degree.

In order to participate in the May commencement ceremony, an undergraduate student must have either:

Completed all classes required for the degree.

-- OR --

Be enrolled that spring in all classes needed to complete the degree.

Exceptions to this policy can be approved only by the vice provost upon recommendation of the dean of the college that houses the student's major.

Honor Code

The student honor code is a commitment by students of NKU, through their matriculation or continued enrollment at the university, to adhere to the highest degree of ethical integrity in academic conduct. It is a commitment individually and collectively that the students of NKU will not lie, cheat, or plagiarize to gain an academic advantage over fellow students or avoid academic requirements.

The honor code specifies that an NKU student shall not:

Engage in any conduct involving academic deceit, dishonesty, or misrepresentation.

Give, receive, or use unauthorized or prohibited information, resources, or assistance on an examination, assignment, or graduation requirement.

Commit plagiarism (for example, representing another's work, in whole or in part, as one's own) on any examination, assignment, or graduation requirement (including those involving use of the web, Internet, or other electronic resources).

Write, take, research, develop, prepare, or create an examination, assignment, or graduation requirement for another student, in whole or in part.

Submit an examination, assignment, or graduation requirement written, taken, researched, developed, prepared, or created by another person, in whole or in part.

Submit an examination, assignment, or graduation requirement that the student has or will submit for credit in another course without express approval from the professors in each of the courses.

Prevent or interfere with the use by other students of any library, laboratory, studio, field, or other course-related resource.

Damage or impair any library, laboratory, studio, field, or other course-related resources or another student's completed assignments.

A student who violates one of the above provisions will be identified to the Department Chair, Program Director, Academic Dean, and Director of Student Conduct, Rights & Advocacy. The student may also be subject to one or more of the following consequences:

a. For the first violation, any one or a combination of the following:

i. Faculty imposed sanction(s) as outlined in the course syllabus;

ii. An oral admonition or reprimand;

iii. A written admonition or reprimand;

iv. A reduction in the grade or a grade of "F" in the course, examination, or assignment;

v. Expulsion from the course.

b. For multiple violations of the above provisions, where suspension or expulsion from the University may be warranted, the case will be referred to the Office of Student Conduct ,Rights & Advocacy for adjudication and sanctioning.

Instructor and Course Evaluations

NKU takes instructor and course evaluations very seriously. They are an important means of gathering information about instructors and courses, information that will be used to enhance student-learning opportunities. As such, NKU asks its students to participate responsibly in the instructor and course evaluation process and to include thoughtfully written comments.

Evaluation periods begin two weeks prior to final exams for a full-semester course and one week prior to final exams for any course shorter than the full semester. Students are notified by email when the online evaluation process is available and are sent several reminders until evaluations are completed. Students who complete an evaluation or select "opt out" for *all* of their courses on the online instrument will be granted two-week advanced access to their course grades. (*Please note that, as of the Spring 2018 semester, failing to complete or opt out of the evaluation for* any *course will block advanced access* for all courses.)

Students who do not complete all of their course evaluations or do not select "opt out" on each online evaluation instrument will not be able to see any of their final grades, obtain unofficial and official transcripts, or run a degree audit until the university's standard date for grade availability.

Student evaluations are strictly confidential, and results are not available to instructors until after final grades for the course are posted. The university has established extensive precautions to prevent individual student comments from being identified.

For more information and to view the instructor and course evaluation schedule, visit the student evaluation home page (https://inside.nku.edu/eval.html).

Misrepresentation of NKU Credentials

Any person reporting their accomplishments or relationship with NKU is expected to do so in a completely truthful manner. Misrepresentation of accomplishments may relate to, but is not limited to, grades, coursework, co-curricular activities, honors, certificates, and degrees. Anyone misrepresenting his or her work

or accomplishments at NKU may be barred from future enrollment and graduation from NKU. In addition, such behavior may be subject to criminal prosecution.

Prerequisites and Co-Requisites

A prerequisite is a requirement that must be satisfied before taking a specific course. If a student is enrolled in a prerequisite course at the time of registration for the next semester, the student may conditionally register for the course that requires the prerequisite. However, if the prerequisite course is not completed successfully, the student may be withdrawn from the course by the department. A co-requisite is a course that must be taken concurrently with another course. Both prerequisites and co-requisites are listed in the course descriptions in the catalog.

- The university's computerized registration system will not allow students to register for courses for which they lack the stated prerequisites and will not allow them to register for a course without registering for its co-requisite.
- Students who believe they have met the intent of the prerequisite or have a justifiable reason for skipping the co-requisite should see the department chair of the department that offers the course. Students should provide the department chair with documentation justifying their request. If convinced that the student can succeed in the course, the department chair can issue a permit for the student to take a course without the prerequisites or co-requisites.
- Because they are not required to present transcripts at the time of admission, non-degree students must consult the department chair for each course he or she wishes to take that has a prerequisite. Unless the student can document that he or she meets the course prerequisites, the student may not be allowed to enroll in the course. If convinced that the student can succeed in the course, the department chair can issue a permit for the student to take the course.

Privacy Rights: FERPA

The Family Educational Rights and Privacy Act affords students certain rights with respect to their education records, including:

- The right to inspect and review the student's education records within 45 days of the day the university receives a request for access.
  - Students should submit to the university registrar, dean, head of the academic department, or other appropriate official a written request that identifies the record(s) they wish to inspect.
  - The university official will make arrangements for access and notify the student of the time and place where the records may be inspected.
  - If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
- The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.
  - Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.
  - If the university decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
- The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.
  - Disclosure without the student's consent is permissible to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
  - FERPA allows the institution to routinely release information defined as "directory information." The following student information is included in the definition: the student's name, address, email address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletics teams, dates of attendance, enrollment status (including full time, part time, not enrolled, withdrawn, and date of withdrawal), degree and awards received, and the most recent previous education agency or institution attended by the student. When a student wants any part of the directory information to remain confidential, an official request form must be completed in the Office of the Unversity Registrar (Lucas Administrative Center 301) within the first five days of class of each school term.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by NKU to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
Family Policy Compliance Office
U.S. Department of Education
600 Independence Ave., SW
Washington, DC 20202-4605

Students who have questions about FERPA, would like to grant access to their educational records to a third party, or wish to see their records should contact NKU's Office of the University Registrar at 859-572-5556, email the university registrar at registrar@nku.edu, or check the website (http://inside.nku.edu/registrar/forms-records/ferpa.html).

Registration Holds

Registration holds prevent students from registering for courses. They are most often established because the student is required to meet with his or her advisor prior to registering or because the student owes money to the university. Registration holds must be resolved before a student can register online via myNKU. The student can still search for courses and place them in the registration cart, but the student must contact the office or department that placed the hold and resolve the issue before being able to register. For **advising holds**, the student should contact his or her academic advisor to make arrangements for clearing the advising hold. If a student has a **fee-related hold**, the fee must be paid before the hold will be released. Generally, holds can be released Monday-Friday between 8:30 a.m. and 4:30 p.m. For more information about holds, students should visit the web (http://inside.nku.edu/registrar/registration/registration-holds.html).

Retaking a Course

The provisions of this policy apply when a student is retaking a course for grade replacement, with the intention of improving the grade on the student's academic record transcript.

Some degree programs may have their own specific requirements. A course retaken using this policy is noted as such on the student's academic record; remains in the student's attempted hour calculations; and is removed from the earned hour, quality point, and GPA calculations.

A student may retake a maximum of six different courses during the undergraduate academic career.
A student may not attempt the same course more than three times (original attempt plus two retakes).
When a course is retaken, the better of the grades will be counted toward GPA calculation.
A student may not retake a course to replace a letter grade of A through F with a Pass/Fail (P/F) grade.
Once a degree/certificate is awarded for a specific program, then all courses compiled within that awarded credential are not eligible for this retake policy.
Courses that were earned as transfer credit are not eligible for this retake policy.
Grades for discontinued or repeatable courses could be replaced if (a) a new course covering the same content has been created to replace the discontinued course or (b) the student has received special permission from the chair/program director of the department/school or the dean of the college offering the alternative course.

The updating of these retaken courses on the students' records is handled by the Office of the Registrar, during the end-of-semester final grades processing.

For exceptions to provisions of this policy, the student must petition in writing the dean of the college in which the course is offered. The student must have the permission before enrolling in a retaken course that requires a policy exception.

CAUTION: If a student receiving financial aid wishes to retake a course more than once, the student should consult the Office of Student Financial Assistance to determine how this will affect his or her financial aid.

Sexual Discrimination and Sexual Misconduct

As members of the campus community, all university students, faculty and staff as well as guests and visitors have the right to be free from sexual misconduct. The university does not tolerate gender-based misconduct and does not discriminate on the basis of sex in its education programs. The university is committed to treating those involved in an allegation of sexual misconduct with dignity and respect. Investigative and hearing proceedings are conducted in a timely, thorough, and impartial manner. This policy has been developed to reaffirm these principles and to provide recourse for those individuals whose rights have been violated. This policy is intended to define expectations and to establish a mechanism for determining when those expectations have been violated. More information on the university's sexual misconduct policy can be found in the Code of Student Rights and Responsibilities (https://inside.nku.edu/scra.html)

NKU prohibits all forms of discriminatory harassment that are unlawful under applicable local, state, and federal law, including sexual harassment. It is the policy of the university to provide every employee and student with an environment conducive to productivity and learning, free from intimidating, hostile, or offensive behavior. The university condemns all forms of sexual harassment on the part of any employee, student, or vendor toward any other employee, student, or vendor. Sexual harassment is the making of unwelcome and offensive sexual advances or of sexually offensive remarks or acts, especially by one in a superior or supervisory position or when compliance is made a condition of continued employment or advancement. Unwelcome behavior is behavior that is not welcome, not solicited, and not wanted by the offended person.

Title IX prohibits gender discrimination at all institutions receiving federal funding, including Northern Kentucky University. These

requirements apply to all forms of sexual misconduct including, but not limited to sexual harassment and sexual violence, and are important for preventing and effectively responding to sex discrimination.

If you are a student who believes you have been subjected to (1) sexual harassment by University faculty or staff; or (2) any other form of gender discrimination under Title IX, you may report such misconduct or file a formal complaint with the Title IX Coordinator in the Office of Title IX. Complaints must be submitted in writing. If you are a student who believes you have been or are the victim of sexual harassment, including sexual assault, sexual violence or other sexual misconduct, by another University student, you may report such conduct or file a complaint under Title IX with the Title IX Coordinator. Complaints of student sexual misconduct are addressed by the Code of Student Rights and Responsibilities. Federal and state laws prohibit the taking of retaliatory measures against any individual who files a complaint in good faith. Contact information for the Title IX Coordinator, as well as additional information about Title IX legislation, may be found online (https://inside.nku.edu/titleix.html).

A report may also be filed by calling university police at 859-572-5500 or by completing an incident report form on the Office of Title IX website (https://inside.nku.edu/scra.html)

Violence Against Women

The Norse Violence Prevention Center provides support and advocacy for students who have experienced sexual and other types of violence. The center is located on the third floor of the Votruba Student Union and may be reached by phone at 859-572-5685.

Student Code of Conduct

The NKU Code of Student Rights and Responsibilities (the Code) is designed to ensure that Northern Kentucky University (the University) students shall enjoy intellectual freedom, fair and legal treatment, the freedom of speech both on and off campus, freedom of press, the right of peaceable assembly, the right to petition for redress of grievances, the right to a fair hearing of charges made against one, and the right to responsible participation in the university community. Rights imply responsibilities; therefore members of the University community must show both initiative and restraint. The Code is designed neither to be exhaustive nor to encompass all possible relationships between students and the institution. This document is endorsed and approved by the Northern Kentucky University Board of Regents. The Code is not rigid nor unchangeable. As the relationship between students and the University continues to grow, it may be necessary to modify the Code.

It is incumbent upon students to be aware of University regulations. Ignorance of these regulations does not excuse students from adherence to them. University Officials should endeavor to inform students of University rules, regulations, and policies, whenever the circumstance is applicable. The Code is available online (https://inside.nku.edu/scra/information/students/rights-responsibilities.html).

Tobacco-Free Policy

Northern Kentucky University is a tobacco-free campus.

Tobacco use at all university-owned, -operated, and -leased properties is covered by this policy. Tobacco products are therefore prohibited in all interior and exterior building space, outside ground areas, walkways and parking structures, indoor and outdoor athletic facilities, and vehicles.

Numerous products are prohibited by this campus policy. They include, but are not limited to, cigarettes, cigars, pipes, hookah-smoked products, and oral tobacco such as spit/spitless, smokeless, chew, and snuff products. Products that contain tobacco flavoring or simulate tobacco use, such as electronic cigarettes, are also prohibited.

Violations of this policy will be addressed by the appropriate administrative departments. Concerns about tobacco use will be respectfully addressed. Support resources are available online (http://tobaccofree.nku.edu).

Transcript Availability

Transcripts of NKU coursework are available upon request. Students must request their official transcript through the National Student Clearinghouse. Students may view and print an unofficial transcript through myNKU.

The transcript fees, delivery options and additional information on this process can be found on the Office of the University Registrar website.

Transcripts from Other Institutions

When NKU receives transcripts from another institution, the transcripts are considered property of NKU. NKU does not reproduce or copy transcripts received from any sending institutions. Students should seek copies of transcripts from the institution that originally issued the transcript.

Transfer Credit

Transfer of Undergraduate Credit

The policies that follow apply to the transfer of undergraduate credit to an NKU undergraduate degree. Once NKU receives all of the relevant transfer documentation, NKU will complete a course-by-course evaluation of the student's transfer coursework. The process normally takes at least three weeks.

- NKU requires official transcripts from all previously attended institutions. The transcript must include coursework completed up to the application date.
- Students enrolled in courses at a postsecondary institution (other than NKU) at the time of application will have one semester to provide a final, official transcript showing all grades and credits earned.

When applicable, students should request that the Kentucky General Education Transfer Policy certifications be included on official transcripts.

Students with CLEP credit should submit their official transcripts to the Office of the University Registrar (Lucas Administrative Center 301). Students with AP credit should submit their official transcripts to the undergraduate admissions office (Lucas Administrative Center 401).

Only coursework from a regionally accredited institution, or an institution accredited by an agency recognized by the U.S. Department of Education will be considered for awarding of transfer credit.

Effective spring 2021 forward, coursework completed at a regionally accredited institution or an institution accredited by an agency recognized by the U.S. Department of Education with a grade of *D*- or higher will be considered for the awarding of transfer credit. Only coursework from regionally accredited institutions, from fall 2009 to fall 2020, will be considered for the awarding of transfer credit with a grade of D- or higher.

Transfer work and grades:

- Students who transferred to NKU between fall 2004 and summer 2009 will have the grades associated with transfer work included in their GPA calculation based on NKU's policies and procedures. Changing their catalog of record or being readmitted to the University will not change this policy: that is, grades associated with courses transferred to NKU will continue to be included in the calculation of their GPA.
- For students transferring to NKU after the summer of 2009, credits may be accepted in transfer, but no grades or GPA will be transferred to NKU. In other words, transfer students with no prior NKU coursework will begin NKU with a new GPA.

Courses evaluated as developmental in content will not be considered for credit hours. These courses may be used to satisfy a course prerequisite or to meet statewide Council for Postsecondary Education admission requirements.

Students may be encouraged to take a placement test in English, mathematics and/or reading if evidence of college readiness is not demonstrated, as prescribed by state regulation (13 KAR 2:020). Students will not receive transfer credit nor be exempt from taking co-requisite courses into which they are placed after initial admission to the university.

Students who earn transfer credit (or a combination of transfer credit and NKU credit) within one semester hour of that necessary for completion of a general education, major, or minor course requirement will be considered to have completed that requirement. This does not affect the number of transfer credits awarded.

A transfer student may not be awarded credit for all courses in a major. In general, it is recommended that at least half the work in a major be taken at NKU, but academic departments may set specific limits on the amount of transfer allowed for their majors. The chair of the student's major will make the final determination of the requirements for the student's major.

Transfer coursework for post-baccalaureate students is subject to departmental approval and is not evaluated in its entirety. Post-baccalaureate students are considered to have completed general education requirements.

Note: Students who completed coursework more than five years ago should plan on submitting course descriptions or a catalog from that year in order to expedite the evaluation process.

Transfer of Professional or Graduate Credit

The following applies to transfer of professional or graduate credit to an NKU undergraduate degree. A student who receives early admission to certain professional or graduate schools may, under certain conditions, transfer credits back to NKU from that school to meet NKU's requirements for graduation with the bachelor's degree.

Acceptable sources of transfer are usually medical schools, dental schools, law schools, schools of social work, and schools of veterinary medicine. Excluded are schools that grant a bachelor's degree to students who transfer credits to them.

The source of the transfer credit must be accredited by a regional accrediting association.

The student must complete at least 90 semester hours of work at NKU, meet general education requirements of the university before he or she leaves, and satisfy requirements of her or his major.

- Courses taken at the graduate or professional school may be used to meet major requirements at the discretion of the student's advisor and department chair with the approval of the appropriate dean and the university registrar.

Transfer of credit must occur by the end of a student's initial year of post-bachelor's study.

To transfer credit, students must have an appropriate transcript sent to NKU and must also complete an application for the bachelor's degree from NKU.

A student who receives early admission to a graduate or professional school and who meets the above conditions is urged to discuss with his or her chair the possibility of transferring credit from the school to NKU.

Students are warned that in a few cases their early admission to graduate or professional school may permanently bar them from licensure in certain states. It is the responsibility of the student to ascertain requirements of the state in which he or she plans to practice.

Military Credit Evaluation

Location: Lucas Administrative Center 301
Telephone: 859-572-7609
Fax: 859-572-6094
Web Address: veterans.nku.edu

Veterans evaluates and certifies military transcripts for credit. Courses approved and recommended by the American Council of Education's publication, Guide to Evaluation of Educational Experiences in the Armed Forces, will be considered for credit. All military transcripts including the Community College of the Air Force transcripts should be sent to: Northern Kentucky University, Office of Admissions, Lucas Administrative Center, 400 Nunn Drive, Highland Heights, KY 41099. Please allow two to four weeks for the entry and evaluation of a transcript. More information is available online (http://nku.edu/admissions/transfer/policies.html).

Withdrawing from the University

Withdrawal from the University - Student Initiated

A student may withdraw from the university - that is, withdraw from all classes for which he or she is registered - at any time prior to the 11th week of classes.

The Office of the University Registrar will determine the date of withdrawal, and process the withdrawal as long as it falls within approved withdrawal-date guidelines.

Grades

Weeks 1 through 3 or equivalent: if a student withdraws prior to the end of the third week of the semester or its equivalent, the transcript will not reflect that the student was enrolled in the classes.

Weeks 4 through 10 or equivalent: if the student withdraws after the third week (or its equivalent) and prior to the end of the 10th week (or its equivalent), the student will receive a grade of *W* in each course for which he or she was registered.

The specific dates for sections (a) - (b) can be found in the online registration guide and the online academic calendar.

EXCEPTION: In cases of academic dishonesty, the instructor will determine the student's grade.

Other responsibilities

A student withdrawing from the university should check with Student Account Services to determine the financial implications of the withdrawal and to settle any money owed to the university or to the student.

A student who has financial aid and is withdrawing from the university should check with the Office of Student Financial Assistance as there may be important consequences for the student's financial aid.

If the student leaving the university lives in university housing, he or she should contact the housing office and complete a contract termination form (http://housing.nku.edu/content/dam/housing/docs/General/Contract_Termination_1011.pdf). A student withdrawing from the university is not eligible to live in university housing.

Withdrawal from the University - Military Purposes

When a student is called into active military status on an emergency basis and therefore cannot complete coursework for a given semester, the timing of the withdrawal affects whether the student receives a *W* or the earned grade in each course.

First 12 weeks or equivalent: the student will receive a withdrawal (*W*) in each course with full refund if call-up is within the first 12 weeks of the semester.

Weeks 13 and 14 or equivalent: the student may elect to receive the grade earned to-date in each course or receive a *W* in each course with a full refund if call-up is during the 13th or 14th week of the semester

Weeks 15 and 16 or equivalent: the student will receive the grade earned to date in each course if call-up is in the 15th or 16th week of the semester.

The student should present his or her orders at the Office of the University Registrar (Lucas Administrative Center 301) or fax them to 859-572-6094. If the student does not yet have written orders, he or she will have 60 days in which to present the orders. A family member or friend may bring in a copy of the orders in the student's absence. If this deadline is not met, the student's grades will revert to *F*, and he or she will not be eligible to receive a refund. In the situation in which the student has a choice, he or she must take either the grades or drop all courses for a full refund.

Withdrawal from the University - Involuntary Withdrawal

Students who are dismissed from the university for administrative or disciplinary reasons will be withdrawn from all of their classes and will receive a *W* for each class in which they were enrolled. Standard NKU financial policies will apply. Students should check with Student Account Services.

Academic Support

Advising

NKU's Academic Advising Philosophy

Academic advising at NKU is an integral part of the learning process. As such, academic advising is a collaborative effort that encourages students to develop clear educational plans and choose realistic life/career goals. In order to assist students in realizing their full potential at the university, faculty and staff advisors at NKU embrace the following beliefs about academic advising:

The primary responsibility for decision-making rests with the student.

Students are often unaware of the demands and expectations of the university and therefore need to clearly understand the culture of higher education.

Academic advising is not an isolated event but an ongoing communication between the student and advisor in which mutual trust and respect must be established.

Academic advisors recognize and accept that each student is unique.

The core of all academic advising is the development of a holistic educational plan that facilitates the student's intellectual and personal growth and includes an academic plan that identifies the most appropriate courses to satisfy degree requirements in an efficient and effective manner.

Primary Goals and Objectives of Academic Advising

As a result of the collaborative advising process the student will:

Define and develop educational and career goals that are consistent with their personal values, interests, and talents.

Develop a rapport with their advisors to enhance their academic performance.

Utilize university resources to support their educational development.

Develop an understanding of university policies, procedures, and requirements.

The desired learning outcome of the above goals is that students are able to make informed and increasingly independent decisions about their educational plans and other academic issues. Accordingly, as students become more knowledgeable about curriculum, policies, and procedures, they should become less reliant on advisors for information, but they will continue to consult advisors or designated faculty concerning university requirements, graduate school admission, career opportunities and most importantly graduation requirements (http://inside.nku.edu/registrar/graduation/graduation-requirements.html).

Students' Responsibilities in the Advising Process

Students should be active participants in developing their educational plan. Central to this responsibility is developing a strong relationship with the academic advisor by:

Preparing for academic advising meetings.

Actively participating in advising discussions.

Maintaining personal academic records.

Developing an understanding of all graduation requirements:

- Major/minor requirements.
- Foundation of Knowledge/general education.
- University requirements.

Learning how to access campus and online resources.

Informing academic advisors regarding issues that may impact academic success.

Proactively participating in planning for their post-graduation career.

Advisors' Responsibilities in the Advising Process

The academic advisor will serve as a teacher and facilitator to enable students to be successful by developing appropriate academic and post-graduate career plans. Central to this process is serving advisees by:

Maintaining accurate and current documentation of student records to the best of their ability at the time of communication with the advisor.

Communicating information about current university policies and procedures through a variety of channels.

Assisting advisees in developing decision-making skills and encouraging them to take responsibility for their decisions.

Facilitating connections between students and appropriate resources when needed.

Participating in professional development activities relevant to advising.

Advising Requirements for Registration

The proper selection of courses is important for every NKU student. Therefore, all students are strongly encouraged to meet with their academic advisor prior to registration each term. Some students are required to meet with their academic advisor prior to registration. All students assigned to the First Year Student Success Hub (http://nku.edu/fyssh) are required to meet with their advisor before registering for classes each semester. All non-degree seeking students on probation are also required to meet with an advisor prior to registering for classes.

Note: Students on academic warning or probation will not have the ability to complete online registration until they comply with the following. They MUST first see their academic advisor to obtain registration approval and should check with their advising center to determine if there are additional requirements.

Here is a list, by college, showing which students MUST see their academic advisor prior to registration.

COLLEGE OF ARTS AND SCIENCES

Location: LA 326
Telephone: 859-572-5494
Web Address: https://artscience.nku.edu/advisingcenter.html
Email: coasadvising@nku.edu

All College of Arts and Sciences majors are required to meet with an advisor in their departments:

Anthropology
Art & Visual Communication
Biological sciences
Chemistry
English
History, Geography, Social Studies Education
Integrative Studies
Mathematics
Music
Philosophy
Physics, Geology, and Engineering Technology

Political Science, Criminal Justice, and Organizational Leadership, Law and International Studies
Psychology
Sociology
Theatre and Dance
Undeclared
World Languages and Literatures

COLLEGE OF EDUCATION

Location: MEP 230
Telephone: 859-572-6944
Web Address:
https://inside.nku.edu/coehs/advising/appointment.html
Hours: Monday - Friday, 8:15 AM to 4:30 PM

The following students are required to meet with an advisor:

All pre-education majors (including secondary education students).
All Education, Culture and Society majors with 30 or more earned credit hours.

COLLEGE OF INFORMATICS

Location: Griffin Hall 404
Telephone: 859-572-7670
Web Address:
https://www.nku.edu/academics/informatics/advising.html
Email: issac@nku.edu

The following students are required to meet with an advisor:

Business Information Systems Majors: Students with fewer than 60 earned credit hours

School of Computing and Analytics Majors (ASE, CIT, CSC, CYS, DSC, LIN, and HIN): Students with fewer than 45 earned credit hours.
School of Media and Communication Majors (CMST, DFX, EMB, HCOM, JOU, MIN, & PRE): Students with fewer than 45 earned credit hours.

Undeclared Informatics: All students

COLLEGE OF HEALH AND HUMAN SERVICES

Location**:** FH 461
Telephone: 859-572-5248
Web Address**:**
https://nku.edu/academics/chhs/advising/ourpeople.html
Email**:** chhsadvising@nku.edu

The following students are required to meet with an advisor:

Nursing students: all pre-major undergraduates.
Four-year BSN, the accelerated BSN: all majors.
Respiratory Care, Radiation Therapy, and Radiologic Science: all pre-majors and all new majors.
Social Work and Human Services and Addictions: all majors.
Physical Education and Health: all pre-majors and majors.
Exercise science: all majors.
Athletic training: all pre-majors and majors.
Undeclared students in CHHS.

HAILE COLLEGE OF BUSINESS

Location: Business Center 206
Telephone: 859-572-6134
Fax: 859-572-6144
Web Address:
https://www.nku.edu/academics/cob/advising/cobadvisingappointment.html

The following students are required to meet with an advisor:

All new majors in the Haile/U.S. Bank College of Business.
All students with fewer than 30 hours earned who are currently enrolled.
All students with 75 or more hours that have not met selective admissions.
Construction Management and Construction Technology: all students.

First Year Student Success Hub

Location: University Center 210
Telephone: 859-572-6900
Fax: 859-572-6989
Web Address: http://nku.edu/fyssh
Hours: Monday - Friday, 8:15 a.m. - 4:30 p.m.
Other hours may be available by special appointment. Summer hours vary.
Director: Frank Robinson
Other Key Personnel:

Associate Director: Amy Pieper
Administrative Specialist: Amy Sterrett

The First Year Student Success Hub will offer a centralized comprehensive advising experience for all first-time NKU students, providing them with a sense of belonging at the university and the confidence to pursue their academic goals. Using a coordinated care approach, student success coaches and advisors promote student success by helping students effectively transition to NKU, as well as gain the skills necessary to navigate academic and career planning. The Student Success Hub aids students in progress toward completing their degree programs by providing a seamless transition from the first-year advising experience to a student's college and/or major academic advisors. Services include academic advising support for first year students in a hybrid format, peer to peer student success and career coaching, as well as serving holistic support needs in collaboration with campus partners. Additional support is provided for key campus populations, including exploratory students, Pathfinder students, undeclared students seeking to meet program requirements, school-based scholars, (dual credit in high school) and non-degree seeking students. The First Year Student Success Hub advises students based on major in specific academic clusters, including: Arts, Business, STEM, Education, Humanities and Social Sciences, Healthcare, and Exploratory/Pathfinders. Each cluster consists of a

Team Lead Advisor, along with First Year Advisors and Peer Coaches who work together in a team model to support students.

Exploratory and Undeclared Students

Many entering students elect to be "exploratory" rather than selecting a major due to being undecided regarding their major choice. Some exploratory students may want time to evaluate possible areas of interest, make appropriate choices about majors, and develop academic plans. Other exploratory students want advice about which programs might be best suited to their academic strengths and weaknesses, personal interests, and career objectives. The First Year Student Success Hub advises students whose academic interests cannot be narrowed to a specific college, students who do not meet the admissions standards for their desired program, and students conditionally admitted to the university. After their first year, students who have focused their major choice(s) within a specific college are advised in one of the five colleges: Arts and Sciences, Business, Education, Health and Human Services, Health Professions, or Informatics. Students who are beyond their first year and advised in a college, but wish to become exploratory after their first year are advised as an undeclared student in one of the five colleges.

Pathfinders Students

NKU has developed a special program for entering students who have not met all of the traditional admission standards either based on ACT/SAT scores, or based on high school GPA. Students who have academic needs as defined by their admission status are classified as Pathfinder students and are advised by the First Year Student Success Hub. First Year advisors help these students plan for their timely completion of program requirements and discuss avenues for academic success. They also help facilitate the selection of an appropriate major upon completion of readiness standards.

First-time freshmen who are granted admission but have a high school GPA under 2.5, or have a high school GPA between 2.5 and 2.74 with two or more ACT sub-test scores below 18 (or SAT equivalent) will be admitted to and must participate in the Pathfinders Program.* Through the Pathfinders Program, students must participate in a variety of advising appointments, tutoring sessions and special programs to maintain their enrollment eligibility. This program is a year-long program, however students who have academic success at NKU after their first semester have the opportunity to successfully complete the program early. Please visit the website for specific details (http://pathfinders.nku.edu).

*Students who are 21 years of age or older are exempt from the Pathfinders Program. Please visit the website for specific details.

Advising Services

All First Year Students, Exploratory students, Pathfinder students, and those students who are interested in but not admitted to a program in various colleges must meet formally with an academic advisor in the First Year Student Success Hub each semester. During advising appointments, First Year Hub advisors provide academic support that is focused on students' individual needs. Specifically, First Year Hub advisors assist students in the following ways:

- Discuss students' academic progress.
- Teach students how to access information related to general education, and major or minor course requirements.
- Clarify university policies and procedures and help students navigate the higher education system.
- Help students learn effective decision-making skills for choosing majors.
- Offer proactive academic counseling for students to promote academic success.
- Help students develop educational plans based on academic strengths, personal interests and career objectives.
- Make referrals to appropriate university faculty, staff, and services.
- Help students begin to identify academic majors consistent with their goals and interests.

In addition to meeting students' advising needs, the Director of the First Year Student Success Hub (or designee) provides assistance to students with issues that need approval from the dean/assistant dean. These include, but are not limited to, withdrawal from classes, probation, suspension, and reinstatement.

Information Technology

Location: Lucas Administrative Center
Telephone: 859-572-6911
Web Address: http://it.nku.edu

NKU's Office of Information Technology is committed to supporting student success. IT provides a variety of services. All students are urged to visit the student page of the IT website to learn about services and view guides that answer common IT-related questions.

NKU Username and Password

Your NKU username and password are required to access many online services at NKU. As a security measure, NKU passwords expire every 90 days. To activate your NKU user ID, change your NKU user account password or reset your password, visit the website (https://password.nku.edu). Also on that website, add a personal phone number and/or an alternate email address on your account so if your password expires in the future, you can have a recovery code sent as text or email.

Technology Help

Students have two options for technology assistance: Norse Tech Bar and IT Help Desk.

If on campus during normal business hours, students are urged to visit the Norse Tech Bar in University Center 252. Go there for answers to all of your technology questions as well as software and hardware troubleshooting. We also offer lab computers with printers, computer/tablet/camera checkout and LCD screens for group work.

The IT Help Desk provides a similar support service but via phone 859-572-6911, instant message or online service request (https://it.nku.edu). The IT Help Desk is also open longer business hours during the week and on weekends.

One.nku.edu

One.nku.edu (https://one.nku.edu) is a student portal that pulls in many of the NKU tasks to one website. From there, you can access your email, All Card, myNKU and much more.

Canvas

Canvas is NKU's online learning management system. Faculty often post course syllabi, assignments, reading material and other course-related materials on Canvas for student access. Visit one.nku.edu (https://one.nku.edu) to see all your classes in Canvas.

Computer Labs

IT provides open computer labs in SL 1st floor and 4th floor, GH322, BC120, SC 3rd and 4th floor and UC252 (Norse Tech Bar) Many academic departments offer additional computer labs for their students. Also, students may access software licensed by the University via the "virtual lab" which is essentially a lab computer you can log into when you are off campus via your personal computer or tablet.

Technology Discounts for Students

Vendors offer discounts to students, so those who are buying Dell or Apple computers are eligible for a student discount. More information and links to the vendors' websites to make purchases are available online (http://it.nku.edu).

Email/Storage

All official communication from the University is directed to your NKU email address. IT will assist students in setting up mobile devices to access email. For help, visit the Norse Tech Bar, University Center 252, or contact our IT Help Desk (https://it.nku.edu). Also, connected to the email account is a free cloud storage option for files called OneDrive. Storage on this drive is unlimited as long as you are a student.

Printing

Students can add money to their All Card to print in any computer lab or print kiosk on campus.

Software

Actively enrolled students can download Microsoft Office through their webmail account free of charge.

Wi-Fi

NKU has wireless access throughout the campus. Depending on the purpose when connecting through Wi-Fi, students can select from the various NKU networks as described online.

Technology Use Policies

To ensure that NKU's technology resources are secure, responsibly utilized, and available to everyone, the University has established policies that must be followed by all users of NKU's technology resources. Illegal downloads of copyrighted materials and inappropriate use of technology resources is strictly forbidden. Policies are available online (https://it.nku.edu).

Learning PLUS

Location: University Center 170
Telephone: 859-572-5475
Email Address: laplearn@nku.edu
Web Address: http://plus.nku.edu/
Director: Diane Williams
Other Key Personnel:

Associate Director for Tutoring Programs: Jered Moses
Associate Director for School-Based Scholars and Articulation Agreements: Kristin Hornsby
Success Skills Coordinator: Jered Moses
Writing Center Coordinator: Eica Nerbonne
PLUS Tutoring Coordinator: Robin Theobald
Supplemental Instruction Coordinator: Zach Wells
Pathways and School-Based Scholars Coordinator: Shelli Johnson
Academic Specialist: Mary Seifried

Full-time faculty: James Clark, Kristin Hornsby, Shelli Johnson, Jered Moses, Erica Nerbonne, Robin Theobald, Zach Wells, Diane Williams, Natalie Williams

Services

Learning PLUS provides a variety of services to support students' academic achievement. The tutoring programs assist students with specific classes and general skills required for academic success. Learning PLUS tutoring programs include PLUS Tutoring, PLUS Online, the Writing Center, Writing Center Online, Success PLUS, and Supplemental Instruction. Learning PLUS also offers coordinates the School-Based Scholars program and supports the creation and review of pathways and articulation agreements.

PLUS Tutoring

PLUS Tutoring provides FREE assistance and support for students who want or need to better understand the course content and concepts of specific 100-, 200-, and some higher-level courses. To learn more about the service and how to schedule an appointment, students should visit the website (https://inside.nku.edu/plus/tutoring/plus_tutor.html).

PLUS Online

For students who would rather not come to campus, PLUS Online brings our PLUS Tutoring program to the web. Students can work with our regular peer tutors in an online whiteboard and videoconference environment. For more information or to schedule an appointment, students should visit the website (https://inside.nku.edu/plus/tutoring/online.html).

Writing Center

The Writing Center provides FREE assistance and support for students with college writing tasks assigned in any course: essays, reports, research papers, etc. Writing Center consultants can guide and advise students through the entire writing process. To learn more about the service and how to schedule an appointment, students should visit the website (https://inside.nku.edu/plus/tutoring/wc.html).

Writing Center Online

Students who would rather not come to campus can still access the Writing Center services remotely. For more information or to schedule an appointment, students should visit the website (https://inside.nku.edu/plus/tutoring/online.html).

Success PLUS

Success PLUS provides FREE, ongoing one-on-one peer assistance with many important college and life success skills, including time management, effective note-taking and studying practices, and test-taking strategies. To learn more about the service and how to schedule an appointment, students should visit the website (https://inside.nku.edu/plus/tutoring/success.html).

Supplemental Instruction

Supplemental Instruction provides FREE collaborative peer review sessions for some sections of difficult and challenging courses. SI leaders attend all classes and conduct weekly review sessions to help students with mastering content as well as developing learning strategies that can be applied to other courses. Students are encouraged to attend review sessions often. For more information about SI, students should visit the website (https://inside.nku.edu/plus/tutoring/si.html).

Library

Telephone: 859-572-5457
Fax: 859-572-6181
Web Address: http://inside.nku.edu/library
Dean of the Library: Andrea Falcone
Hours During Regular Semesters:

Monday - Thursday: 7:30 a.m. - 1:00 a.m.
Friday: 7:30 a.m. - 7:00 p.m.
Saturday: 10:00 a.m. - 5:00 p.m.
Sunday: 12:30 p.m. - 1:00 a.m.

The W. Frank Steely Library, located in the center of campus and online, partners with many campus departments to support the academic achievement and success of NKU students. The library provides a variety of services and resources including wireless access, a coffee shop, group study rooms, a variety of public study and social spaces, and computers with Internet access and Microsoft Office products. An eContent area provides computers with multimedia software such as Photoshop, Acrobat Professional, Dreamweaver, and InDesign.

Other special services (https://inside.nku.edu/library.html) include research consultation (in person, by phone, by email, by chat, or by appointment); classroom instruction and embedded librarians via Canvas courses; My Librarian and First-Year Experience services; web-based research guides and tutorials; SourceFinder (a document delivery service for obtaining materials not available at Steely Library); access to 108 databases, many with full-text documents; and a growing collection of electronic books. Steely Library is also a depository for many federal government publications. The Eva G. Farris Special Collections and Schlachter University Archives contain materials related to the history of NKU and materials documenting the history and heritage of the northern Kentucky region, the Ohio River valley, the Underground Railroad, Appalachian writers, and military history.

Steely Library has reciprocal borrowing agreements with the University of Cincinnati's Langsam Library and the three northern Kentucky public library systems in Boone County, Campbell County, and Kenton County. Students and faculty may use their NKU All Card to borrow materials from these libraries. Please visit the library's home page for more information about its facilities and services.

NKU Bookstore, Barnes & Noble

Location: University Center Plaza Level
Telephone: 859-572-5142
Web Address: http://www.shopnku.com
Summer Hours from 5/16 - 8/15:

Monday - Friday 8:00 a.m. - 4:30 p.m.

Store Hours will be updated regularly on our Bookstore Website (http://shopnku.com).
Please check for changes and extended hours.

Extended Hours: At the beginning of fall and spring semesters.

Barnes & Noble offers NKU students all the options for college textbooks. Students can buy new and used books, rent books, and obtain digital editions of books. The bookstore also stocks the materials required for classes. Students looking for easy and convenient textbooks for the best price should visit the NKU bookstore website to place an online order. For books ordered online, the bookstore will box up the requested books and have them ready for pick-up.

Student Success Hub

Located in the University Center, the Student Success Center serves as a seamless and streamlined experience to equip and empower students for success. For additional information regarding the student success center and services offered, please contact us at success@nku.edu. Services and programs available to students in the student success center include:

Adult Learner Programs and Services

University Center 122
859-572-5898

Adult Learner Programs and Services (ALPS) is dedicated to assisting adult students in the NKU community through advising, campus resources, and educational pursuits. ALPS brings together the campus community to offer programs that are accessible, flexible, and geared towards the academic success of our adult students.

NKU offers many benefits for adult students, including: Flexible course offerings, personalized degree plans, and easy access to campus, parking, and centralized classrooms. Visit the website for more information for more details http://nku.edu/alps.

Career Services

University Center 225
859-572-5680

Career Services provides programs and services that engage and empower students to establish academic and career goals, obtain co-ops and internships, secure meaningful employment, and manage their careers for rewarding, fulfilled lives. Career Services also operates as the principal point of contact and servicing unit for employers who wish to recruit students for co-ops, internships and full-time positions. The career services team is committed to providing excellent career-related programs, services, and resources. Visit the website or stop by for details (http://nku.edu/careerservices).

First-Year Programs

University Center 122
859-572-5913

Northern Kentucky University freshman students have the opportunity to experience their first college year in an environment that promotes active learning, collaboration and personal development through these programs:

- Alpha Lambda Delta
- Book Connection
- Learning Communities
- University 101: Orientation to College & Beyond

Health, Counseling and Student Wellness

University Center 440
859-572-5650

Health, Counseling and Student Wellness is dedicated to helping students achieve and maintain optimal levels of physical, mental and emotional functioning. Health Services are administered by registered nurses who are available free of charge and on a walk-in basis, and a nurse practitioner who is available by appointment. Services include illness and injury management, immunizations, physical exams, allergy injections, health education and reproductive health services including birth control and sexually transmitted disease screening and management. The Counseling staff are licensed masters-and-doctoral-level mental health professionals who provide individual, couples, group and crisis intervention counseling. Counseling Services also includes workshops/presentations on a variety of mental health topics and psychological testing. The Counseling staff are experienced in working with a diverse student population and in treating a wide variety of concerns, including (but not limited to) anxiety, depression, relationship issues, adjustment issues, concerns regarding sexual orientation/gender identity, traumatic life events, grief and substance use/abuse.

International Education Center

University Center 340
859-572-7976

The international education center is composed of the Office of Education Abroad, the Office of International Students and Scholars, and the Office of American English Language Programs. Our mission is to develop and promote global perspectives through engagement in the international arena and to become a regional resource for global initiatives. NKU achieves its international mission through high-quality study abroad experiences; international student recruitment, retention and involvement; an international curriculum; international scholar exchanges; and diverse international opportunities for faculty and staff in teaching, research and outreach.

Learning PLUS

University Center 170
859-572-5475

Learning PLUS provides a variety of services to support students' academic achievement. The tutoring programs assist students with specific classes and general skills required for academic success. Learning PLUS tutoring programs include PLUS Tutoring, PLUS Online, the Writing Center, Writing Center Online, Success PLUS, and Supplemental Instruction. Learning PLUS also coordinates the School-Based Scholars Program, and supports the creation and review of pathways and articulation agreements.

First Year Student Success Hub

University Center 210
859-572-6900

The First Year Student Success Hub will offer a centralized comprehensive advising experience for all first-time NKU students, providing them with a sense of belonging at the university and the confidence to pursue their academic goals. Using a coordinated care approach, student success coaches/advisors promote student success by helping students effectively transition to NKU, as well as gain the skills necessary to navigate academic, financial, and career planning. The First Year Student Success Hub aids students in progress toward completing their degree programs by providing a seamless transition from the first-year advising experience to a student's college and/or major academic advisors.

Norse Tech Bar

University Center 252

The Norse Tech Bar is the student destination for technology. Go there for answers to all your technology questions as well as software and hardware troubleshooting. We also offer lab computers with printers, large-format printers, computer/tablet/camera checkout, and LED screens for group work. Visit the website (http://techbar.nku.edu) for more information and hours, and follow us on Twitter for the latest news @nkutechbar.

Testing Services

University Center 101
859-572-6373

Test with the best! Testing Services at NKU offers testing services for placement, undergraduate admissions, credit by examination, accommodated classroom examinations, distance learning proctoring, and certification/licensure. Testing services provides standardized and proctored exams in a convenient and secure testing environment for the NKU community and region. Testing services adheres to the National College Testing Association Professional Standards and Guidelines.

TRiO-Student Support Services

University Center 127
859-572-5138

TRiO-Student Support Services is the home on campus for first generation college students. You will find friendly and knowledgeable staff and students who understand what it means to be the first in your family to attend and finish college. You will benefit from mentoring, advising, coaching, and other resources and opportunities designed to support your personal, academic, and career goals. SSS is funded through a federal TRiO grant from the U. S. Department of Education. You must meet parental education and income guidelines to be eligible. Apply online to be an SSS Scholar (http://sss.nku.edu).

University Connect and Persist

University Center 120
859-572-7527

University Connect and Persist empowers students to create action plans, establish success networks, and implement techniques that promote persistence to graduation and lifelong learning. With strong relationships with campus partners, UCAP offers timely outreach through Early Alert, an Access Code Program, Textbook Lending at Steely Library, Financial consultation, and last dollar retention awards to eligible students. Any student with questions or concerns related to their NKU experience is welcome to stop in or make an appointment with a member of our team. We are available in person, by phone, email or zoom.

TRiO-Student Support Services

Location: University Center 127
Telephone: 859-572-5138
Email Address: sss@nku.edu
Web Addresses: http://sss.nku.edu
Director: Lori Wright
Other Key Personnel:

Associate Director: Joyce Couch
Program Coordinator: Wendy Schindler
Administrative Assistant: Cynthia Ash

TRiO-Student Support Services is the home on campus for first-generation college students. You will find friendly and knowledgeable staff and students who understand what it means to be the first in your family to attend and finish college. SSS Scholars will benefit from mentoring, advising, coaching, and other resources and opportunities designed to support your personal, academic, and career goals. SSS is funded through a federal TRiO grant from the U. S. Department of Education. You must meet parental education and income guidelines to be eligible. Apply online to be an SSS Scholar (http://sss.nku.edu).

University Connect and Persist

Location: University Center 120
Telephone: 859-572-7527
Email Address: ucap@nku.edu
Web Address: http://ucap.nku.edu
Director: Peg Adams

University Connect and Persist empowers students for success! We help students develop success plans, build customized success networks, and get the most out of their NKU experience. UCAP engages the campus community in collaborative partnerships to facilitate student success, oversees the early alert process, and assists students in creating and utilizing their success networks.

How do students connect with us?

Early Alert: Faculty may submit an alert for any student who appears to need assistance with issues that could hinder academic progress.

Walk-In/Self-Referral: Any student with questions or concerns related to their NKU experience is welcome to stop in or make an appointment with UCAP staff.

Scholarship and Grant Recipients: UCAP staff work one on one with students who receive the Educational Diversity Scholarship and the Northern Difference Grant. Students are required to meet with UCAP staff throughout their college career for guidance and support.

Proactive Outreach: Students who are identified as needing additional support are contacted by UCAP for early intervention.

Our Programs and Services

Textbook Lending at Steely Library allows students to borrow textbooks each semester. Students who borrow

books are invited to meet with a UCAP staff for a financial and academic wellness check.

Access Code/Digital Materials purchases are available to students who have exhausted financial aid and still have unmet need. One purchase per eligible student. Students interested in exploring this service can email ucap@nku.edu.

Retention Awards provide tuition assistance award to help students who need financial support progress toward graduation. Students schedule an appointment with a UCAP coordinator to discuss eligibility criteria and the application process.

Financial Consultation and Workshops provide students with essential information about their financial picture, especially as it relates to their academic plan. UCAP coordinators are available to work with students to develop strategies and plans to address financial challenges.

Networking is a life skill beneficial in college and beyond. Students learn how to build, expand and activate their success network at NKU.

Veterans Resource Station

Location: University Center 131
Telephone: 859-572-7867
Email Address: veteransresource@nku.edu
Web Address: http://veterans.nku.edu
Other Key Personnel:

Certifying Officials (Credit Hours): Denzil Carter, Josh Chandler
Certifying officials (Tuition): Diana Reincke

This outreach service for veterans and their families helps to create a community of university personnel, students and community agencies that increase the likelihood of veterans, student service members and their family members completing their educational goals.

The Veterans Resource Station (VRS) offers individual computer and Internet access that includes a welcoming, open space to study, socialize, and connect with other veterans. VRS student peer mentors are veterans or family members of veterans who provide information, referrals, and support to enable students to successfully navigate and connect with the right resources. NKU's student organization for veterans, Norse VETS, provides a social group and support structure to help veterans adjust to and become successful in civilian life. The VRS acts as a resource library for a broad range of services and benefits provided by the Kentucky and U.S. Department of Veterans Affairs and other community activities.

The Veterans Resource Station processes and certifies Department of Veterans Affairs educational benefits for veterans and family members.

Benefit Programs Through the GI Bill®

Chapter 33	**Post-9/11 GI Bill®** The Post-9/11 GI Bill® (Chapter 33) helps you pay for school or job training. If you've served on active duty after September 10, 2001, you may qualify for the Post-9/11 GI Bill® (Chapter 33). Find out if you can get this education benefit. Am I eligible for Post-9/11 GI Bill® (Chapter 33) benefits? You may be eligible for education benefits if you meet at least one of the requirements listed below. At least one of these must be true. You: Served at least 90 days on active duty (either all at once or with breaks in service) on or after September 11, 2001, or Received a Purple Heart on or after September 11, 2001, and were honorably discharged after any amount of service, or Served for at least 30 continuous days (all at once, without a break in service) on or after September 11, 2001, and were honorably discharged with a service-connected disability, or Are a dependent child using benefits transferred by a qualifying Veteran or service member Note: If you're a member of the Reserves who lost education benefits when the Reserve Educational Assistance Program (REAP) ended in November 2015, you may qualify to receive restored benefits under the Post-9/11 GI Bill®.
Chapter 30	**Montgomery GI Bill® - Active Duty** The Montgomery GI Bill® Active Duty (MGIB-AD) can help you pay for education and training programs. If you've served at least 2 years on active duty, find out if you qualify for the MGIB-AD program. https://www.va.gov/education/about-gi-bill-benefits/montgomery-active-duty/
Chapter 31	**Veteran Readiness and Employment** If you have a service-connected disability that limits your ability to work or prevents you from working, Veteran Readiness and Employment (formerly called Vocational Rehabilitation and Employment) can help. This program-also known as Chapter 31 or VR&E-helps you explore employment options and address training needs. In some cases, your family members may also qualify for certain benefits. https://www.va.gov/careers-employment/vocational-rehabilitation/
Chapter 35	**Survivors' and Dependents' Educational Assistance Program** Find out if you're eligible for VA education benefits for dependents and survivors (also called Chapter 35 benefits). If you're a dependent spouse or child-or the surviving spouse or child-of a Veteran, you may qualify for

	Chapter 35 benefits or job training through a GI Bill® program https://www.va.gov/education/survivor-dependent-benefits/
Chapter 36	**Educational and career counseling** Personalized Career Planning and Guidance (PCPG), or VA Chapter 36, offers free educational and career guidance, planning, and resources to Veterans and their dependents who are eligible for a VA education benefit. Find out how to apply for this program if you are leaving active service soon or have been discharged within the past year. https://www.va.gov/careers-employment/education-and-career-counseling/
Chapter 1606	**Montgomery GI Bill® - Selected Reserve** The Montgomery GI Bill® Selected Reserve (MGIB-SR) program offers up to 36 months of education and training benefits. If you're a member of the Army, Navy, Air Force, Marine Corps or Coast Guard Reserve, Army National Guard, or Air National Guard, you may be eligible for this benefit. Find out if you qualify. https://www.va.gov/education/about-gi-bill-benefits/montgomery-selected-reserve/
How to Apply	**https://www.va.gov/education/how-to-apply/** **How do I prepare before starting my application?** Find out if you're eligible for VA education benefits Gather the documents and information listed below that you will need to apply for education benefits. See what benefits you'll get at the school you want to attend. Use the GI Bill® Comparison Tool **Note:** To apply for Veteran Readiness and Employment (Chapter 31) or educational and career counseling through Personalized Career Planning and Guidance (Chapter 36), you'll need to use a different application. Find out how to apply for Veteran Readiness and Employment (Chapter 31) Find out how to apply for educational and career counseling (Chapter 36)
	What documents and information do I need to apply? Social Security number Bank account direct deposit information Education and military history Basic information about the school or training facility you want to attend or are attending now

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs

Student Engagement

All Card (ID card)

Location: Votruba Student Union 120
Telephone: 859-572-6016
Web Address: https://inside.nku.edu/allcard.html
Director: Ward Wenstrup

The All Card is the official identification card for NKU. It is imprinted with a student's photograph and an assigned ID number. The All Card allows students to be recognized as members of the university community. It also enables them to enjoy discounts and gain access to services and activities throughout campus. All Cards are automatically activated each semester for the duration of a student's attendance. New students should visit the All Card office after classes begin to receive an ID card. Lost or stolen All Cards should immediately be reported to the All Card office.

Students can add money to their All Card and enjoy convenience and savings at campus dining locations (six percent discount) and copiers (50 percent discount). Students can also use this account to make purchases at the NKU bookstore, drink and snack vending machines, and the Votruba Student Union game room. The All Card can also be used to pay for computer lab printing, NKU parking permits and fines, Health, Counseling and Student Wellness, Norse Tech Bar in University Center, and Steely Library fines, SOTA Fine Arts Box Office and more. More information is available online (https://inside.nku.edu/allcard.html).

Alumni Programs

Location: Lucas Administrative Center 221
Telephone: 859-572-5486
Email Address: alumni@nku.edu
Web Address: https://inside.nku.edu/alumni.html
Contact: Amy Arbino Wylie

The NKU Alumni Association provides a wide range of opportunities for alumni to stay connected after graduation. All graduates of NKU are automatically members of the NKU Alumni Association.

The mission of the Alumni Association is to CONNECT alumni to strengthen relationships, to CELEBRATE the university and alumni successes, and to LEAD endeavors that further the interests of the university and its supporters. Simply said: The Alumni Association's mission is to Connect-Celebrate-and Lead.

Benefits of Membership

As a member of the NKU Alumni Association, you will receive:

- A subscription to the NKU Magazine and monthly E-news updates
- A discount membership to the Campus Recreation Center
- Discounts at a variety of local businesses and area attractions
  - Visit https://inside.nku.edu/alumni/services.html for a complete list of the discounts available to you.
- A discount to NKU Bookstore
- Discount to host your wedding at NKU. Learn more at https://www.dineoncampus.com/nku/northern-class-catering
- Special invitations to University-wide events
- Ability to utilize resources in W Frank Steely Library
- A 15% discount on NKU Community Connections courses
- Opportunity to connect and network with over 65,,000 alumni across the globe
- Exclusive travel opportunities to allow for Lifelong learning

If you would like to request a membership card, update your contact information, share family and professional news or tell us about your accomplishments, please visit https://supportnku.nku.edu/Class_Notes.

Arts and Culture

The university offers a variety of arts and cultural opportunities throughout the year. Many are open to nonstudents as well as to students. Some activities are sponsored by the Activities Programming Board, which is described in the Student Union and Programming section. Other activities are sponsored by various departments across campus.

Art Galleries

NKU's two art galleries exhibit art by regional, national, and international artists, as well as work created by visual arts faculty and students. The galleries, located in the Fine Arts Center, engage in outreach programs and experimental projects and provide a forum for traditionally underrepresented individuals to display their work for the community. There is no fee to visit the galleries. For more information about the galleries and for an exhibition schedule, visit the web (http://art.nku.edu/galleries).

BB&T Arena

BB&T Arena is Northern Kentucky's premier special-events facility. It is home to NKU's men's and women's basketball teams and features first-class concerts, family shows, and a wide variety of sporting events. For information on the events' schedule and tickets, visit the web (http://www.thebbtarena.com/).

Digitorium

The College of Informatics' George and Ellen Rieveschl Digitorium, located in Griffin Hall, is an exciting place for classes, live performances, and events, all enhanced by advanced digital technology. With retractable and flexible floor seating facing a floor-to-ceiling digital media wall, and a second level ringed with multipurpose "opera boxes," the digitorium has the capacity to transport audiences to new experiences, even new worlds. It is a unique place where innovative performances and multiple emerging digital technologies are integrated in novel ways to produce stunning results. As the synthesis of a digital opera house, global command center, trading floor, theatre, and auditorium, it can host any type of public event, from individual speaking to collaborative group activities; from digitally-mediated human performances to complex, real-time simulations. Pictures of the digitorium, as well as information about reserving the digitorium can be found on the web (http://inside.nku.edu/informatics/griffinhall.html).

English Literary Readings

The Department of English, often in conjunction with other campus organizations, sponsors literary events featuring readings from outstanding writers in the fields of fiction, creative nonfiction, and poetry. The literary events celebrate diverse voices from contemporary writers. Events are open to the public and the student body. For more information, contact P. Andrew Miller (millera@nku.edu), coordinator of creative writing, or Kelly Moffett (moffettk1@nku.edu), chair of events and community outreach.

Friends of Steely Library

The Friends of Steely Library maintains a regular schedule of author appearances. These include poetry and book readings by prominent authors and poets as well as other literary and art-themed events. More information is available online (http://friendsofsteely.nku.edu).

Haile Digital Planetarium

The planetarium, located in the Herrmann Science Center 409 has free showings every Monday during the spring and fall semesters at noon, and on special Friday evenings and Saturdays that offer a chance to learn about topics on and off the earth. Visitors travel through time and space to look at the formation of the moon, a future solar eclipse in the area, ancient monuments around the world, or a cave in Kentucky. The website (http://inside.nku.edu/artsci/departments/pget/planetarium.html) provides program information and a calendar of events.

Museum of Anthropology

Located in Landrum Academic Center 200, the museum's collections focus on (1) contemporary arts of Native Americans, (2) contemporary ethnographic and folk arts of world cultures, especially those of Latin America, Africa, Southeast Asia, and New Guinea, and (3) the archaeology of Northern Kentucky and the middle Ohio Valley. The museum provides outreach through displays, exhibitions, public lectures and occasional film series,

tours including K-12 outreach, and other specifically designed educational programs for groups of all ages. More information is available online (http://map.nku.edu/html/FAC_2016050964962.html).

Music Performances

NKU offers a variety of exciting and creative musical performances from NKU students, area musicians, and professional musicians. Details about scheduled performances can be found online (http://www.nku.edu/sotatickets).

Reading Room Gallery

The Eva G. Farris Reading Room gallery in the W. Frank Steely Library presents an ongoing series of art displays representing the work of faculty, students, and local artists from the northern Kentucky region. Information on the exhibits can be found on the library's website (http://inside.nku.edu/library.html).

Sehnert Lecture Series

The Sehnert Lecture Series is an annual event held each fall. The NKU Department of Mathematics and Statistics invites a nationally known mathematician or statistician to give a general audience lecture on a mathematical science theme. For more information call 859-572-5377 or email math@nku.edu.

Theatrical Performances

During the fall and spring semesters, the NKU Department of Theatre and Dance presents six to eight productions in the NKU Corbett Theatre and the Robert and Rosemary Stauss Theatre. Shows presented range from classics of dramatic literature to contemporary comedy, drama, and musicals. The Department of Theatre and Dance also offers a dance concert at the end of the spring semester. Information about performances is available online (http://www.nku.edu/sotatickets).

Athletics

Location: The BB&T Arena 133
Telephone: 859-572-5193
Fax: 859-572-6089
Email Address: athletics@nku.edu
Web Address: http://www.nkunorse.com
Director: Ken Bothof
Other Key Personnel:

Senior Associate Athletic Director for Business and Finance: Dan McIver
Associate Athletic Director for Compliance and Student Services/Senior Woman Administrator: Debbie Kirch
Associate Athletic Director for Operations and Event Management: Chris Hafling
Assistant Athletic Director for Marketing, Promotions and Tickets: Brandon Hays
Associate Athletic Director for Sports Medicine and Risk Management: Molly Woods
Assistant Athletic Director for Communication and Media Services: Bryan McEldowney
Director of Development: Jeff Baldwin
Head Men's Baseball Coach: Todd Asalon
Head Men's Basketball Coach: Darrin Horn
Head Women's Basketball Coach: Camryn Whitaker
Head Men's & Women's Cross Country and Track and Field Coach: Steve Kruse
Head Men's & Women's Golf Coach: Daryl Landrum
Head Men's Soccer Coach: Stu Riddle
Head Women's Soccer Coach: Bob Sheehan
Head Women's Softball Coach: Kathryn Gleason
Head Men's & Women's Tennis Coach: Brian Nester
Head Women's Volleyball Coach: Liz Hart

The intercollegiate athletics program provides a natural extension of secondary school programs, offering skilled student-athletes the opportunity to continue their educational and athletics experiences beyond high school. Membership in the National Collegiate Athletic Association Division I and the Horizon League and adherence to the governing philosophies and regulations of these bodies provide a framework for implementing the mission of the department. The strategic initiative is to position intercollegiate athletics to compete at the highest level of NCAA Division I and in the Horizon League.

NKU sponsors intercollegiate competition in 17 varsity sports, eight for men (baseball, basketball, cross country, golf, indoor and outdoor track & field, soccer, and tennis) and nine for women (basketball, cross country, golf, indoor and outdoor track and field, soccer, softball, tennis, and volleyball). In addition, the department has a student-athletic training program, co-ed cheerleading team, dance team and a pep band. It also offers numerous student employment opportunities.

Athletics facilities include the NKU Soccer Complex, the Bill Aker Baseball Complex at Friendship Field, the Joyce E. Yeager Tennis Complex, the Frank Ignatius Grein Softball Field, Regents Hall, and the BB&T Arena. The BB&T Arena is a 9,400-seat venue, which features the Thomas J. Kearns Student-Athlete Academic Center, film viewing/study rooms, and a strength and conditioning area for NKU's 225 student-athletes.

Bus Services

NKU and Transit Authority of Northern Kentucky, the northern Kentucky bus service, have partnered to establish the U-Pass program, which provides NKU students, faculty, and staff with free transportation on all TANK routes. The U-Pass program includes all TANK buses - including the Southbank Shuttle - and riding is unlimited. There are no forms to fill out and no paperwork to sign. NKU users just swipe their valid NKU All Card upon boarding and ride any route in the TANK system for free. The bus can be used to ride to class, go shopping, visit friends, or for any other purpose where the NKU rider needs transportation. The U-Pass program applies only to Kentucky and does not affect rates on the Ohio side of the river. Students can obtain additional information by calling 859-331-TANK (8265) or visiting the web (http://www.tankbus.org/learn/rider-information/college-u-pass).

Campus Recreation

Location: Campus Recreation Center
Telephone: 859-572-5197
Email Address: crc@nku.edu
Web Address: http://inside.nku.edu/campusrec.html
Director: Shomari Kee

Our mission is to enhance student and university community success by advocating and providing inclusive, developmental opportunities that promote student engagement, lifelong learning and healthy behaviors. Recreation facilities and programs add greatly to the NKU experience. A valid NKU All Card is all that is needed to get started. All registered NKU students are automatically members of the Campus Recreation Center and may also purchase supplemental or family recreation center memberships.

The Campus Recreation Center, intramural field complex, and sand volleyball courts are the places to be for fitness, sports, and socializing day or night. Whether it's playing basketball, running on a treadmill, kicking a soccer ball, or taking laps in the pool, there is something for everyone. The Campus Recreation Center is open seven days a week so students can work out before or after class, as well as on the weekends. Students can play on intramural sports teams, relieve stress with a yoga class in the Norse fitness program, climb on the bouldering wall, join sports club teams as they compete and travel to other schools and achieve fitness goals by working with a personal trainer. Please refer to the website for more information (http://inside.nku.edu/campusrec.html).

Employment

Campus Recreation is the largest employer on campus with over 120 student employees. Students can learn valuable career skills such as customer service, leadership, and time management, and earn extra money by working for Campus Recreation. Please refer to our website for more information regarding student employment opportunities.

Facilities

Campus Recreation Center

NKU's Campus Recreation Center, a $45M facility recently renovated and expanded in 2015, includes the following recreation areas:

- Aquatics Center with 8-lane competition pool, dive well, active shallow water area, warm water pool & sauna.
- 6 basketball courts
- 17,000 square feet of cardio, weight and strength training equipment
- 2 fitness studios
- 1 spinning studio
- 2 racquetball courts
- Multi Activity Court (MAC) for indoor soccer, floor hockey, volleyball, basketball and other activities
- Bouldering wall
- Locker rooms and sauna
- Lounge and study areas
- Functional training area
- Outdoor courtyard and sand volleyball court

Outdoor Facilities

- Sand volleyball courts - Two sand volleyball courts with lights are located in the residential village
- Pavilion - Sheltered pavilion with picnic tables and restrooms.
- Outdoor basketball courts - Two outdoor basketball courts located in the residential village
- Intramural field complex - Two turf sport fields with lights and a pavilion. This complex can accommodate sports such as football, soccer, softball, ultimate frisbee, and more.
- Team Building Course - The Team Building Course aims to help groups reach their goals through a variety of activities, which focus on goals and objectives. Facilitators are trained to safely lead groups through various programs, help them debrief the experience, and form connections between the experience and everyday life.

Programs

Intramural Sports - Have fun and make friends while playing intramural sports! With over 25 tournaments and leagues each year, there is something for everyone: *Basketball, Flag Football Softball, Soccer (indoor, outdoor, futsal & 3v3), Volleyball (sand & indoor), Floor Hockey, Dodge Ball, Wiffleball, Corn Hole, Spikeball, Texas Hold 'em, NFL Combine, InnerTube Water Polo, Rock/Paper/Scissors, Bench-press Challenge, Ultimate Frisbee, Home Run Derby/Hit Challenge, Tennis, 3pt/Free-throw Competition and more!*

Norse Fitness - Get fit and have a blast! From Zumba to Yoga, the Norse fitness program offers something for everyone. Group fitness classes are a great way to change up your workout and meet new people. Classes which range from 30 to 50 minutes include the following: *TRX, Cycling, Kickboxing, Pilates, Yoga, Boot Camp, Zumba, Body Sculpt, Butts & Guts, Abs Xpress, and more!*

Sport Clubs - Get Involved! Want to compete on a higher level? Try out one of the numerous sport clubs: *Men's and Women's Basketball, Bassmasters, Bowling, Equestrian, Wrestling, ESports, Hiking, Men's and Women's Lacrosse, Men's and Women's Soccer, Tennis, Taekwondo, Ultimate Frisbee, Vertical Frontier Climbing Wall, Women's Volleyball and Wrestling.* Want something new...start your own club!

Personal Training - Don't know where to start...we'll show you the way! The Department of Campus Recreation has personal trainers prepared to help you get more out of your workout time. Learn effective techniques and reach your fitness goals.

Aquatics - The aquatics program offers open lap swim as well as 'Learn to Swim' programs. The 'Learn to Swim' program has parent-child aquatics with progressive levels of instruction designed to help swimmers of all ages learn stroke techniques and personal water safety skills. These are offered as group lessons with a maximum 7:1 student/instructor ratio. Private lessons are available upon request for all ages and provide one-on-one instruction that is catered to the participant's skill level.

Career Services

Location: University Center 225
Telephone: 859-572-5680
Fax: 859-572-6996
Email Address: careerservices@nku.edu
Web Address: http://nku.edu/careerservices
Director: Bill Froude
Other Key Personnel:

Associate Director: Amanda Meeker
Career Advisor: Jennifer Richmond
Career Advisor: Lisa McElfresh

Learn about yourself, explore career options, make career decisions, and put your plans into action. Career Services offers an integrated program of services that emphasize the developmental nature of career decision-making: self-exploration, world-of-work preparation, job-search skill development, and career-transition assistance. These services are available to NKU students and alumni and may include career advising, resume assistance, job-search coaching, and interview preparation. Numerous online resources are provided through the Career Services website, including the HireNKU job and employer database and the FOCUS 2 career planning tool. Career Services also offers the EDU 294 (formerly CEP 101) career development course for students who are undecided about their major or career choice.

Career Services is the university's liaison to area corporations and organizations, inviting these employers for on-campus interviews, career fairs, information sessions, and other events. Employers are encouraged to post co-op, internship, and full-time positions to the HireNKU job and employer database. Career Services also coordinates the Cooperative Education program (CEP 300) on the NKU campus. Co-op integrates classroom learning with paid, real-life work experience in a related field.

Center for Student Inclusiveness

Location: Votruba Student Union 309
Telephone: 859-572-6684
Fax: 859-572-6161
Email address: csi@nku.edu
Web address: http://inside.nku.edu/csi.html
Chief Diversity, Equity and Inclusion Officer: Darryl Peal
Other key personnel:

Director of African American Student Initiatives: Carlous Yates
Director of Latino Programs and Services: Leo Calderon
Director of LGBTQ Programs and Services: Bonnie Meyer

The Center for Student Inclusiveness places inclusive excellence at the center of student life and provides student centered programming that aligns with NKU's core value of being a community that embraces inclusiveness, diversity, and global awareness. The goals of CSI are to:

Enhance and expand opportunities for co-curricular student engagement.
Create, coordinate and sustain retention programs that foster student success for underrepresented student populations.
Collaborate with other university associates and offices to create a climate where all students are acknowledged, welcomed and valued; implement best practices in the areas of inclusive excellence and diversity; and help prepare students for an increasingly diverse and global society.

African American Student Initiatives

Location: Votruba Student Union 309
Telephone: 859-572-6684
Fax: 859-572-6161
Email Address: aaps@nku.edu
Web Address: http://inside.nku.edu/aaps.html
Director: Carlous Yates

Established in 1993, the mission of African American Programs & Services (AAP&S) is to facilitate a support system which advocates academic excellence, celebrates African/African American culture, and engages students with faculty, staff, and alumni. We provide opportunities that help students develop academically and socially by offering programs and services in self and cultural identity, leadership, career exploration, and community building.

AAP&S provides opportunities for students to engage with faculty, staff and alumni, develop leadership skills, and celebrate African American culture. Students are encouraged to join AAP&S in celebrating African American Cultural Heritage through events such as Pre-Kwanzaa Celebration, Dr. Martin Luther King Jr. Commemoration Week, Black History Month, and Sherehe (afro-centric graduation celebration).

Since 2003 AAP&S has sponsored NKU R.O.C.K.S. (Responsibility, Opportunity, Community, Knowledge and Success) a transition program which serves incoming African American first year students with support programming that aims to assist with building yearlong relationships with peer mentors, faculty, and staff. The program helps students to explore personal and institutional expectations of college and develop effective study habits and skills that will increase their potential for success. NKU R.O.C.K.S. also exposes students to the many valuable resources available on NKU's campus and provides a comprehensive support system throughout students' undergraduate experience.

Through collaborative efforts with Disability Programs and Services, Latino Programs and Services, LGBTQ Programs and Services, and partners across the campus community AAP&S works to promote an inclusive environment for all members of the NKU community. We have also formed partnerships with middle schools and high schools across the region to help aspiring college students cultivate relationships with NKU's campus and provide resources/programs to help students succeed through social involvement with current students. AAP&S has developed

relationships with community organizations such as NAACP, The Urban League, and The YMCA of Greater Cincinnati.

Office for Student Accessibility

Location: Votruba Student Union 303
Telephone: 859-572-5282
Fax: 859-572-5874
Email Address: osa@nku.edu
Web Address: https://osa.nku.edu
Director: Cindy Knox

The Office for Student Accessibility provides access to academic and co-curricular programs through reasonable accommodations and student-centered assistance. The office operates in compliance with federal regulations to reduce or eliminate physical, academic, and attitudinal barriers for individuals with disabilities. In addition to reasonable accommodations, the office offers various services and support programs including: consultation about disability issues for faculty, staff, and students; individual academic advising; liaison with outside agencies; and assistive technology training. Students must be registered with the Office for Student Accessibility to receive reasonable academic accommodations.

Latino Programs and Services

Location: Votruba Student Union 313, 315
Telephone: 859-572-5821
Fax: 859-572-6161
Email Address: latino@nku.edu
Web Address: http://latino.nku.edu
Director: Leo Calderon

The Office of Latino Programs and Services coordinates academic, cultural, and social activities with the World Languages and Literatures Department, African American Programs and Services, Latino Institute for Excellence, and other departments. The office also offers a Latino Mentor Program Orientation, Latino Mentor Program (LAMP), Latino UNV 101 class, LAMP EDU 294 one-credit hour course, Latino Keynote Lecture Speaker Series, National Hispanic Heritage Month Calendar of Events, Latino Student Recognition Dinner, etc. Other services include scholarship and employment opportunities, leadership development, participation in three Latino organizations, and volunteer opportunities. The office has developed strong partnerships with Latino and non-Latino community organizations such as the English Language Learning Foundation, League of United Latin American Citizens, Su Casa Hispanic Center, Centro de Amistad, YMCA of Greater Cincinnati, the Behringer-Crawford Museum, Hispanic Chamber of Commerce Cincinnati USA, and many others. Part of these community outreach projects includes a high school Latino and English Language Learning Fun with Science Camp, and bilingual college fairs. The Office of Latino Programs and Services also serves as a consultant to businesses, K-12 educators and public service agencies and is a bilingual resource for NKU.

LGBTQ Programs and Services

Location: Votruba Student Union 314
Telephone: 859-572-5835
Fax: 859-572-6161
Email Address: lgbtq@nku.edu
Web Addresses: http://inside.nku.edu/lgbtq.html
Director: Bonnie Meyer

The Office of LGBTQ Programs and Services promotes education, awareness, and advocacy for the lesbian, gay, bisexual, transgender, queer, and ally community at NKU. LGBTQ Programs and Services coordinates the campus-wide Allied Zone Training program, Trans Ally trainings, Speak Out trainings, several different workshops, and classroom presentations. Through collaborative efforts with African American Student Initiatives, Latino Programs and Services, and Disability Programs and Services, and with partners across campus, we work to promote an inclusive environment for all members of the NKU community.

LGBTQ Programs and Services provides programming during October's LGBTQ History Month (including a celebration of National Coming Out Day, Ally Appreciation Day, and Asexual Awareness Week), Transgender Day of Remembrance, World AIDS Day, , and NKU LGBTQ PRIDE Week. Students can get involved by becoming a LGBTQ Student Ambassador with the Office, or by joining one of several LGBTQ student organizations, including: Rainbow Underground, Lavender Society, Colours of Pride, and The Gender Initiative.

The office has strong partnerships with numerous LGBTQ community and state organizations in Kentucky and Ohio and also serves as a consultant to businesses, K-12 educators, and community organizations.

Dining Services

Location: Votruba Student Union 116
Telephone: 859-572-5212
Fax: 859-572-6478
Web Address: http://www.dineoncampus.com
Resident District Manager: Melissa Pompa
Other Key Personnel:

Director of Operations: Jorge Elizagaray
Retail Director/Executive Chef: Eric Nousiainen
Residential Director: Thomas Mcgugh
Northern Class Catering Director: Alayne Strong

NKU dining services provides a variety of exciting dining experiences that are value-oriented for college students. The Votruba Student Union includes the Northern Fare Food Court as well as a full-service Starbucks. The food court includes seven stations serving a variety of food including Mexican options, sub sandwiches, burgers, pizza, soups, made-to-order salads, and Asian food. Coffee, sandwiches, and snack food are also available in a variety of locations on campus including Steely Library, Landrum Academic Center, and the Herrmann Science Center.

Early Childhood Center

Location: Mathematics Education Psychology Center 147
Telephone: 859-572-6338
Email Address: ecc@nku.edu
Web Address: http://inside.nku.edu/earlychildhoodcenter.html

Throughout the calendar year, the Early Childhood Center provides childcare for children ages one through five. The services are available for children of NKU students, staff, faculty and alumni. During June and July, the center also offers a summer enrichment program for children ages six through 14. The ECC is licensed through the state of Kentucky and STAR rated.

Fraternity and Sorority Life

Location: Votruba Student Union 325
Telephone: 859-572-5146
Fax: 859-572-5774
Email Address:
Web Addresses: http://inside.nku.edu/greeklife.html; http://studenthome.nku.edu/~ifc
Director: Tiffany Mayse
Other Key Personnel:

Associate Director: Colin Blouin

Fraternities and sororities are the largest, most visible, and most active groups on campus. Fraternity and sorority recruitment is held at the beginning of the fall semester. Black Greek-letter organizations and the Latina/Latino organization hold membership intake at times scheduled by the individual organizations. More information is available in the Office of Fraternity and Sorority Life room 328 in the Votruba Student Union. The Greek organizations currently chartered or forming on campus are:

Panhellenic Council Sororities

Alpha Omicron Pi
Delta Gamma
Delta Zeta
Kappa Delta
Phi Mu
Phi Sigma Sigma
Theta Phi Alpha

Interfraternity Council Fraternities

Alpha Sigma Phi
Alpha Tau Omega
Phi Gamma Delta
Pi Kappa Alpha
Sigma Phi Epsilon
Tau Kappa Epsilon
Theta Chi

National Panhellenic Conference Greek Letter Organizations

Alpha Phi Alpha Fraternity, Inc.
Kappa Alpha Psi Fraternity, Inc.
Omega Psi Phi Fraternity, Inc.
Phi Beta Sigma Fraternity, Inc.
Sigma Gamma Rho Sorority, Inc.
Zeta Phi Beta Sorority, Inc.

National Association of Latino Fraternal Organizations

Alpha Psi Lambda Fraternity

Health, Counseling, and Student Wellness

Location: University Center 440
Telephone: 859-572-5650
Fax: 859-572-5615
Email Address: hcsw@nku.edu
Web Address: http://inside.nku.edu/hcsw.html
Directors: Amy Clark and Rose Tempel

Health, Counseling, and Student Wellness provides a variety of preventive and acute-care services to promote the physical and mental health of students. Registered nurses and nurse practitioners provide treatment for acute illnesses or injuries. Licensed mental health professionals provide assessment, diagnosis, and treatment for a variety of crisis, adjustment, relationship, and general mental health issues. Individual, couples, and group treatment options are available. Health, Counseling, and Student Wellness staff members are also available for educational programming addressing the mental and physical health needs of students. Faculty and staff are encouraged to consult with the staff regarding specific student needs.

University Housing

Location: Norse Commons 101
Telephone: 859-572-5676
Fax: 859-572-6099
Email Address: housing@nku.edu
Web Address: http://inside.nku.edu/housing.html
Director: David Berland
Other Key Personnel:

Associate Director of Residence Life: Open
Associate Director of Housing Operations: Rochelle Shields

University Housing provides housing services for students who live on campus during the school year. Unless qualifying for an exemption, new first-year students are required to live on campus. Please visit the website for exemption categories (http://inside.nku.edu/housing.html). Campus housing includes traditional residence hall rooms as well as apartment-style living and suite-style living. Lounge areas, information desks, computer labs, laundry rooms, vending areas, loft/study areas, and space for student recreation are available to students who live in the residential village. NKU can accommodate more than 2,000 students in on-campus housing. The Association of Campus Residents (ACR) represents residential students to University Housing and to the Student Government Association. ACR serves as a sponsor of residential village events and reviews and recommends university and departmental policy updates.

Housing costs and a virtual tour of all housing room types are posted online (http://inside.nku.edu/housing.html). One bill covers rent, utilities (electricity, water, and sewage), and high-speed internet access. Students have the option to reside on campus for the academic year (fall and spring semesters), spring semester only, or during summer sessions.

Lost and Found

Location: Information desk on the second floor of the Votruba Student Union.
Telephone: 859-572-6588

The official Lost and Found is located at the information desk on the second floor of the Votruba Student Union. Items turned in at this location are retained until the end of each semester.

New Student Orientation and Family Programs

Location: Lucas Administrative Center, room 400
Telephone: 859-572-5220
Fax: 859-572-1960
Email Address: orientation@nku.edu
Web Addresses: http://www.nku.edu/orientation.html
Key Personnel:

Associate Director: Britta Gibson

As students begin to prepare for the transition to college, NKU has developed a comprehensive orientation program to assist all incoming students in cultivating their own individual support network at the university. *Northern Exposure: Orientation* is designed to foster an enduring connection between the students, their families and the NKU community. Through interactive experiences, students will become informed and skilled consumers of the academic programs, comprehensive services and engagement opportunities offered at NKU. While *Northern Exposure* is mandatory for all incoming students, we do have separate orientations for new first-time freshmen, post-traditional students, veterans and transfers, though all students will need to visit orientation.nku.edu to complete the online pre-orientation program

Family Association

Location: Lucas Administrative Center, room 400
Telephone: 859-572-5220
Fax: 859-572-1960
Email Address: parents@nku.edu
Web Addresses: http://www.nku.edu/orientation.html
Key Personnel:

Associate Director: Britta Gibson

The NKU Family Association was founded in November 2008. There is no cost to join, and all parents/guardians and family members are eligible to join. Family Association members receive the following:

Monthly e-newsletters with important dates and deadlines, tips, relevant articles, and information regarding NKU events.
Invitations to parent and family events including a Family First Reception during Homecoming.
Opportunities to meet and network with other NKU parents.
Volunteer opportunities at NKU.

Norse A!ert

The university has partnered with Rave to create Norse A!ert, which will contact members of the campus community through voice and text messages in the event of an emergency situation or campus closing. Students, faculty, and staff are encouraged to sign up for Norse A!ert. More information is available online (http://inside.nku.edu/norsealert.html).

Office of Student Conduct, Rights & Advocacy

Location: Votruba Student Union 301
Telephone: 859-572-5147
Fax: 859-572-6173
Email Address: scra@nku.edu
Web Address: http://inside.nku.edu/scra.html
Key Personnel:

Assistant Dean of Students/Director of Student Conduct, Rights & Advocacy/ Deputy Title IX Coordinator: Bob Alston
Assistant Director for Student Conduct: Javance Sinclair, II
Coordinator for Case Management: Julie Bridewell
Administrative Assistant: Merlyn Mabrey

The Office of Student Conduct, Rights & Advocacy receives and responds to student complaints, enforces the Code of Student Rights and Responsibilities (the Code), coordinates support for students experiencing challenges outside of the classroom, manages the adjudication of possible student violations of the NKU Sexual Misconduct Policy and provides student advocacy services for campus matters.

In addition, the Office of Student Conduct, Rights and Advocacy serves as the primary manager of student complaints and appeals , including receipt of complaints, investigation of possible Code policy violations by students, and coordination/resolution of these situations. This office is also the contact point for student advocacy when students have problems, issues, or concerns that have not been addressed through other avenues on-campus. The Code of Student Rights and Responsibilities is available on the web (http://inside.nku.edu/scra/information/students/rights-responsibilities.html). For information concerning the application of the Code, please visit the website or contact the Office of Student Conduct, Rights & Advocacy. For a complete list of University policies and procedures go to the web (http://inside.nku.edu/policy.html).

Norse Violence Prevention Center

Location: Votruba Student Union 304
Telephone: 859-572-5865
E-mail Address: nvp@nku.edu
Web Address: nvp.nku.edu
Key Personnel:

Director of Norse Violence Prevention Center: Gabby Dralle

The Norse Violence Prevention (NVP) Center promotes the vision of a violence free campus by engaging the NKU community in innovative prevention strategies and support-centered advocacy for students that have experienced sexual or gender-based violence. Come by NVP anytime 8:30-4:30pm in Student Union 304, M-F to speak confidentially with a staff person. There is no cost. You can share as little or as much as you want and we will listen and help you explore options and resources. If you need to speak to someone right away when we are not open, here are a few places you could call: Women's Crisis Center (Kentucky)- 24-hour line, 1-800.928.3335 or Women Helping Women (Ohio) - 24-hour line, (513) 872-9259.

Parking

Location: Welcome Center
Telephone: 859-572-5505
Fax: 859-572-6902
Email Address: parkingservices@nku.edu
Web Address: http://inside.nku.edu/parking.html
Director: Curtis Keller

All students who operate and park a motor vehicle on the Highland Heights campus must properly display a current parking permit on their vehicle and must park their cars in appropriate parking areas. During the online registration period, a parking permit may be ordered via the parking services' website (http://inside.nku.edu/parking.html). Three weeks prior to the start of classes, the permit will be mailed to the address indicated on the online registration form. After the online registration period ends, permits must be purchased at the parking services office located at the welcome center.

All parking citations must be paid before a permit can be purchased for the next academic year. Lost or stolen parking permits should be reported immediately to parking services. Lost or stolen permits may be replaced for a fee of $25.

Police Department

Office: University Police
Location: 419 Johns Hill Road
Telephone: 859-572-5500
Fax: 859-572-6991
Email Address: police@nku.edu
Web Address: http://police.nku.edu
Police Chief: John Gaffin
Other Key Personnel:

Lieutenant: Will Love
Sergeant: Jonathan Payne
Detective: Bobby Pate
Coordinator Gina Combs

The NKU University Police department is a service- and safety-oriented department with broad enforcement powers, dedicated to providing an atmosphere in which the mission of the university can be accomplished. Providing a safe and secure environment for NKU students, faculty, and staff is a top priority at NKU.

The department operates 365 days a year, 24/7, and provides a full range of law enforcement services, including criminal investigations, accident investigations, and emergency services. Representatives of the department are actively involved in instructional and educational outreach. University police have jurisdiction over all university properties. Jurisdiction is extended to off-campus locations when requested by other law enforcement agencies. Pursuant to KRS 164.955 and 527.020 (3), police officers of NKU are authorized to carry firearms at all times within the commonwealth of Kentucky.

Call boxes are strategically located throughout campus for students, faculty, and staff to summon assistance from the university police department. In addition, during an emergency, the university police can be reached by dialing 911 on a university phone. All 911 calls made on a cell phone will go to police agencies closest to the cell tower used by the caller's phone. Callers should let the 911 operator know the emergency is located on NKU's campus.

Violations of university regulations are reported to the university's chief judicial officer for further action. Individuals arrested for violations of law are transported to the Campbell County Detention Center for booking.

University Police reports statistical information monthly to the U.S. Department of Justice and the Kentucky State Police. Each report includes the number and types of crimes committed. A report from the previous academic year is available online (http://police.nku.edu).

Registrar

Location: Lucas Administrative Center 301
Telephone: 859-572-5556
Fax: 859-572-6094
Email Address: registrar@nku.edu
Web Address: http://inside.nku.edu/registrar.html
University Registrar: W. Allen Cole III
Other Key Personnel:

Associate Registrar: Angela Calhoun

The Office of the University Registrar is responsible for official student and curricular records. Staff members handle course and room scheduling, degree audit, and produce the registration guide, the academic calendar, and the schedule of classes.

The Office of the University Registrar processes requests to add, drop, or withdraw from courses; audit courses; repeat courses; change courses to pass/fail status; enroll in multiple sections of courses; change student names and addresses; change, add, or drop a student's majors, minors, or focus; change or establish residency; declare academic renewal; and graduate from the university.

The Office of the University Registrar also handles course registration; assists transfer students with enrollment in prerequisite and co-requisite classes; processes enrollment for all incoming and outgoing students who are enrolling through the Greater Cincinnati Collegiate Connection; processes graduation applications; handles enrollment and processing of benefits for veterans and their dependents; handles enrollment verification for any purpose; is responsible for maintaining and issuing official NKU transcripts; and processes and awards credit for CLEP, DSST, IB, Portfolio, ACE, and military and Department of Defense-approved institution attendance.

Student Affairs

Location: Lucas Administrative Center 832
Telephone: 859-572-6447
Fax: 859-572-1310
Email Address: studentaffairs@nku.edu
Web Address: http://inside.nku.edu/studentaffairs.html
Interim Chief Student Affairs Officer: Arnie Slaughter

The Division of Student Affairs promotes student success through transformational co-curricular programs and services that inspire and prepare students to be productive global citizens.

An array of programs, services, activities, and facilities are provided to promote academic achievement, student involvement, personal awareness, social and interpersonal development, leadership, and responsible citizenship. The vice president for student affairs provides administrative leadership for the division. The division is organized into two units: student development and student services.

Student Government Association

Location: Votruba Student Union 330
Telephone: 859-572-5149
Fax: 859-572-6173
Email Address: sga@nku.edu
Web Address: http://sga.nku.edu

The Student Government Association is an elected, representative student assembly. It is the official student organization representing the collective viewpoint of the student body on university policy or action. Besides serving as a liaison to the university's administration, SGA works to promote a more meaningful university experience. It initiates and implements student-oriented programs and awards several student scholarships and book/special-needs grants.

SGA is composed of three distinct branches: the executive cabinet includes the president, vice president, secretary of public relations, secretary of administration, and secretary of student involvement; the legislative branch includes the student senate composed of 30 senators; and the judicial branch is composed of five judicial council members. The SGA president is a member of the university's Board of Regents, which is the governing board for the entire university. Legislative powers of student government are vested in the student senate. Members of SGA's cabinet and student senate represent students on several university committees.

SGA elections are held during the fall and spring semesters of each academic year. The assembly meets Mondays at 3:30 p.m.in Votruba Student Union 104, and all meetings are open for students to attend.

Student Engagements

Location: Votruba Student Union 316
Telephone: 859-572-6514
Fax: 859-572-5774
Email Address: studentlife@nku.edu
Web Addresses:
http://nkustudentunionengagement.orgsync.com/
Director: Tiffany Mayse
Other Key Personnel:

Specialist for Student Organizations: Ashley Farnsley

The Office of Student Engagement assists students as they link their academic work to real-world pursuits. NKU students can learn, practice, and hone their leadership skills by taking advantage of the Northern Kentucky Leadership Institute and the more than 200 student organizations available at the university. Students can connect with other students who share similar interests, spirituality, or political causes. Students who get involved find better jobs, earn better grades, and are more likely to graduate. Moreover, they are more satisfied with their college experience. The Office of Student Engagement serves as the coordinating office for the many activities and registered student organizations on campus, including those described here.

Northern Kentucky Leadership Institute

Northern Kentucky Leadership Institute is the umbrella group of the three organizations that provide leadership programming for all NKU students - Norse Leadership Society, Freshmen Service Leadership Committee, and Leadership Mentors. NKLI also produces Leadership University for students interested in developing personal and professional skills independently. More information about the Northern Kentucky Leadership Institute, its programming, and the organizations is available in the Votruba Student Union room 329.

Norse Leadership Society

Norse Leadership Society is recognized by students, faculty, and staff as the premier leadership organization on campus. NLS is composed of outstanding student leaders with at least sophomore status. Members come from different backgrounds and display

tremendous pride in the university. Most NLS members are also leaders in other student organizations and in the community. NLS provides programs and activities that will cultivate a broad base of leadership and developmental skills either independently or through association with other local organizations. Notable events held by NLS are the fall retreat, Fresh Start, the Presidents Academy, and Catalyst. For more information contact the Office of Student Engagement, third floor of the Votruba Student Union.

Freshman Service Leadership Committee

The Freshman Service Leadership Committee is a student organization dedicated to the development of freshmen as leaders through service. Members can be seen throughout campus, working fundraisers for one of their upcoming events or showing off their skills at NKU's Service on Saturday. While attending FSLC meetings, students are given the opportunity to test their leadership skills, and learn more about being an effective leader through serving others. Members can be elected to an office on the executive board. In addition, students can chair a committee that will focus on helping facilitate group functions, social activities, and community service projects. For more information, email studentlife@nku.edu.

Leadership Mentors

Leadership mentors are NKU students with advanced leadership skills working collaboratively with other NKU students to train local high school students for their future leadership roles. For more information, stop by the Northern Kentucky Leadership Institute or Student Engagement in the Student Involvement Center, third floor of the Votruba Student Union. For more information email studentlife@nku.edu.

Student Media

Location: Griffin Hall 125
Telephone: 859-572-6128 (Editor); 859-572-5232 (Advertising)
Email Address: northerner@nku.edu
Web Addresses:
http://inside.nku.edu/nkumagazine.html
http://www.thenortherner.com
http://www.norsecoderadio.com
Adviser: Michele Day

Student Media, which is housed in the Department of Communication, provides budgetary and advisory support to student-run media, including Norse Code Radio, where students broadcast music and commentary via the Internet and *The Northerner*, an independent, free weekly student newspaper distributed on and near NKU's Highland Heights campus and an independent student news website.

Student Union and Programming

Office Location: Votruba Student Union 192
Telephone: 859-572-7774
Fax: 859-572-5296
Web Addresses: http://inside.nku.edu/studentunion.html; http://nkustudentunionengagement.orgsync.com
Director: Sarah Aikman
Other Key Personnel:

Associate Director: Chris Tambling
Coordinator of Programming: Leah Koch
Technical Services Manager: Chris Bowling
Office Manager: Maryann Trumble

The Votruba Student Union is the hub for activity on the NKU campus. Offices and services located in the Votruba Student Union include: African American Programs and Services; All Card; Center for Student Inclusiveness; Chartwells food services; conference services; Office of Student Conduct, Rights and Advocacy; Fraternity and Sorority Life; Latino Programs and Services; LGBTQ Programs and Services; Norse Violence Prevention Center; Orientation and Parent Programs; Student Government Association; Student Leadership Development; Disability Programs and Services; Votruba Student Union room reservations and Votruba Student Union operations. The facility also includes a variety of places to eat, a game room, and meeting rooms. The information desk, located on the second floor, provides information concerning campus and building events; office locations; laptop checkout; postage stamps, and campus maps. The information desk also serves as the campus lost and found. Room reservations for these areas can be made through Astra Schedule or by contacting Sarah Aikman at 859-572-1940 or aikmans1@nku.edu

Activities Programming Board

The Activities Programming Board is the official student programming body of the university, coordinating events such as drive-in movies, Pumpkin Bust, hypnotists, lectures, comedy shows, and other activities that provide relief from the day's stresses and provides for a social atmosphere where students can interact in a casual and fun setting. Students who join APB have the exciting opportunity to select programs provided on campus and then manage the event. For students who want to be part of the planning or just participate in the activities, APB has something for everyone. The Activities Programming Board's office is located in the Student Involvement Center, Votruba Student Union 327, and members can be reached by email (apb@nku.edu).

Calendar

Activities available for NKU students are listed on the student engagement calendar available online (http://nku.orgsync.com/calendar).

Homecoming

Homecoming at NKU takes place early in the spring semester, coinciding with an NKU basketball game. There are multiple events throughout Homecoming Week including the Nearly Naked Run, Talent Show, Canstruction, Gold & White Gala, Yell Like Hell, and the announcements of campus royalty. The student engagement calendar provides a list of times and places for all who want to be part of the fun.

"N3" - Norse News Network

N3 is a newsletter published weekly by the Office of Student Engagement. It is delivered directly to students' NKU email address to let them know what is happening on campus and in the community. Each edition includes information about important deadlines, campus activities, student organization events, volunteer opportunities, and co-op or internship opportunities that students will enjoy learning about and need to know. N3 provides up-to-date information that helps students connect with others and build their on-campus network. For more information, contact studentlife@nku.edu.

Student Organizations

There are over 200 registered student organizations at NKU. Current and prospective students can learn more about the organizations from the Student Engagement website. All students have access to the OrgSync portal through their NKU username and password. Students use OrgSync to interact with organizations, members, and other students online. Students can create an OrgSync profile by going to their website and selecting "Register," then clicking on "Northern Kentucky University" and selecting "Register." Students who complete account and profile information are set. It's fast, free, and easy. To join an organization through OrgSync, students can visit http://www.orgsync.com, log on, and select "Join an Org," then browse for organizations of interest to them. Through the OrgSync portal, NKU students can document both their academic and co-curricular work through the co-curricular transcript and the e-portfolio.

Testing Services

Location: University Center 101
Telephone: 859-572-6373
Fax: 859-572-1574
Email Address: testing@nku.edu
Web Address: http://inside.nku.edu/testing.html
Director: Amy Danzo
Other Key Personnel:

Assistant Director: Stephanie Menchen
Testing Services Coordinator: Barbara Narwold
Administrative Specialist: Barb Duell

Testing Services provides standardized and proctored examinations in a convenient and secure testing environment for the NKU community and region. Testing Services adheres to the standards set forth through the National College Testing Association.

Tests offered include accommodated classroom exams, admissions tests, such as the National ACT, Residual ACT, and Accuplacer Admission Test for students aged 21 and older; Credit-by-Examination (CLEP, DSST, and CPLE); PRAXIS (Professional Assessments for Beginning Teachers), Informatics Competency Exams, Major Field Tests, and distance learning examinations. National certification and licensing exams are also available through Testing Services.

In addition, admitted freshmen and transfer students who do not meet current Kentucky CPE testing standards are required to take placement test(s) in English, mathematics, and reading through Testing Services. Students must complete placement testing prior to attending their registration program or registering for classes. Registration for placement testing is available online.

Students are encouraged to browse the Testing Services website for detailed information regarding each test, as well as to register and pay for each test offered.

Adult Learner Programs and Services

Location: University Center 122
Telephone: 859-572-5898
Email Address: alps@nku.edu
Web Address: http://nku.edu/alps
Director: Amy Danzo
Other Key Personnel:

Academic Advisor/Coordinator: Sara Conwell
Academic Advisor/Coordinator: Kim McCoy
Administrative Specialist: Barb Duell

Adult Learner Programs and Services (ALPS) is dedicated to assisting adult students in the NKU community through advising, campus resources, and educational pursuits. ALPS brings together the campus community to offer programs that are accessible, flexible, and geared towards the academic success of our adult students.

NKU offers many benefits for adult students, including: Flexible course offerings, personalized degree plans, and easy access to campus, parking, and centralized classrooms. Visit the website for more information for more details http://nku.edu/alps.

University Center

Office Location: University Center lobby information booth
Telephone: 859-572-6103
Fax: 859-572-5296
Web Address: https://inside.nku.edu/ucap.html
Director: Sarah Aikman
Other Key Personnel:

Associate Director: Chris Tambling
Coordinator of Programming: Leah Koch
Technical Services Manager: Chris Bowling
Office Manager: Maryann Trumble

The University Center houses a variety of support services for students. Offices and services located in the University Center include: First-Year Programs; Learning PLUS; Testing Services; TRIO Student Support Services; University Connect & Persist; Veterans Resource Station; Arts and Sciences Advising Center; Career Services; NKU Bookstore; Norse Advising; Norse Tech Bar; Center for Global Engagement & International Affairs; Office of Title IX; Health, Counseling, & Student Wellness; Office of the Vice Provost for Graduate Education, Research & Outreach and Office of

the Vice Provost for Undergraduate Academic Affairs. Also included in the facility are several meeting rooms, a ballroom, lounge space, and the Otto M. Budig Theater. Room reservations for these areas can be made through Astra Scheduler or by contacting Sarah Aikman at 859-572-1940, or aikmans1@nku.edu. The University Center information desk, located on the second floor main plaza level, provides information concerning campus events, building and office locations, and campus maps.

General Education

Foundation of Knowledge

The general education program guides students to become independent learners, innovative thinkers, and responsible citizens. The program gives students a foundation of values, knowledge, and skills that empower them to discover their personal potential, communicate effectively, work in diverse communities, and solve problems in a global society. Courses invite students to expand the lifelong practice of asking questions, seeking new points of view, applying principles of reason, adjusting ideas in relation to new situations, and taking reflective action.

Foundation of Knowledge Core Competencies

A - Critical Thinking

Students will demonstrate the ability to gather, process, interpret, and evaluate information; to develop a plan to apply that information appropriately to a variety of situations; and to assess the appropriateness and relevance of its application.

B - Perspectives

Students will demonstrate the ability to analyze and understand multiple historical and contemporary perspectives and cultural identities.

C - Communication

Students will demonstrate the ability to communicate a depth of understanding of that information through written, spoken, and visual media appropriate to audiences.

D - Science and Technology

Students will demonstrate an understanding of the scientific method in observing, evaluating, analyzing, and predicting phenomena in the natural and physical world.

E - Personal Responsibility and Community

Students will demonstrate an understanding of the ethical, moral, and pragmatic consequences of their choices and decisions, including the roles and responsibilities of citizenship.

Assessment of Core Competencies

All NKU students will be required to participate in a formal assessment of the core competencies at a minimum of two points during their academic career. Results will be used by the administration and faculty to ensure the continuous improvement of the educational experience provided to NKU students and to provide evidence that graduates have attained those competencies.

Program Requirements: Associate Degree Candidates

Associate degree candidates must satisfy the requirements listed here. The courses that satisfy each program category are listed after the program requirements for bachelor's degree candidates.

Program Categories	Credit Hours
Communication	
Oral	3
Written	6
Scientific and Quantitative Inquiry	
Natural Sciences (must be a lab course) Note: All NKU lab courses are currently four hours.	3-4
Mathematics and Statistics	3
Cultural Pluralism	3
Individual and Society- IST 185 recommended for IST AA Majors	3
Culture and Creativity- different disciplines	6
Global Viewpoints	3
TOTAL HOURS	**31**

*Kentucky Transfer Policy category.

Program Requirements: Bachelor's Degree Candidates

Bachelor's degree candidates who begin their postsecondary education at NKU must satisfy the requirements listed below; transfer students may be able to receive credit for some or all of the general education requirements through the Kentucky Transfer Policy.

General Education Categories	Credit Hours
Communication	
Oral	3
Written	6
Scientific and Quantitative Inquiry	
Natural Sciences (including one lab course)	7
Mathematics and Statistics	3
Culture and Creativity (Arts and Humanities)*	6
Self and Society (Social and Behavioral Sciences)*	
Cultural Pluralism	3
Individual and Society	6
Global Viewpoints	3
TOTAL HOURS	**37**

*Kentucky Transfer Policy category.

General Information about Taking Courses

- Students should consult the Foundation of Knowledge website (http://gened.nku.edu) to determine if there have been any changes in the courses approved for each category.
- For three of the categories - scientific and quantitative inquiry, culture and creativity, and self and society - students may take only one course from the same discipline (for example, biology, mathematics, sociology, theatre). This restriction does not apply to communication or global viewpoints.
- Global viewpoint courses can be explored from both the perspective of the arts/humanities and the social/behavioral sciences.
- Students cannot use a single course to satisfy the requirements of two categories.
- If a course approved for general education credit has a prerequisite or is limited to students meeting prescribed academic qualifications (such as a minimum level of performance on ACT or placement examinations), students must satisfy those requirements before taking the course.
- Students who earn transfer credit within one semester hour of that necessary for completion of a general education course requirement will be considered to have completed that course requirement.
- Some majors require specific general education courses. Students should consult the catalog or contact an advisor for more information.
- Students should complete communication and mathematics requirements before the completion of 45 semester credit hours.

The Categories Comprising Foundation of Knowledge

Communication Category

The objectives of these courses are to teach students to effectively gather material relating to a focused topic using a variety of tools, sources, and search strategies; to demonstrate the ability to express ideas using oral communication skills with appropriate attention to topic and audience; to create and write coherent, grammatically-correct pieces for a variety of topics and audiences; to employ the principles of rhetorical communication; to comprehend college-level readings in various settings and disciplines; and to comprehend the ethical perspectives of responsibilities of individuals. The following courses are approved for this category:

Oral Communication

Three semester credit hours required.

- CMST 101 Public Speaking - OC (3 credits)
- CMST 110 Introduction to Communication Studies - OC (3 credits)
- TAR 111 Creative Expression - OC (3 credits)

Written Communication I

Three semester credit hours required.

- ENG 101 Writing for College and Beyond - WC (3 credits) ♦
- ENG 104 Honors College Writing - WC (3 credits) ♦
- *ENG 104: satisfies both Written Communication I and II requirements, which reduces the student's General Education requirements by three semester credit hours.

- ENG 101I College Writing International Students - WC (4 credits) ♦
- ENG 101R Writing/Reading for College and Beyond - WC (4 credits) ♦
- ENG 101W Writing for College and Beyond: Workshop - WC (4 credits) ♦

Written Communication II

Three semester credit hours required.

ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦
BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
CHE 391W Chemical Information and Writing - WC (3 credits) ♦
EGT 291W Writing in Engineering Technology - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
HIS 291W Advanced Historical Writing - WC (3 credits)
MUS 291W Advanced Writing in the Music Profession (3 credits) ♦

Scientific and Quantitative Inquiry Category

The objectives of these courses are to teach students to develop evidence-based arguments; to apply scientific and quantitative reasoning through problem solving or experimentation and effectively communicate results through scientific, analytic, and quantitative methods; to identify major concepts of science behind technological innovations or applications in our daily lives; and to distinguish between scientific and non-scientific methods. The following courses are approved for this category:

Natural Sciences

Seven semester credit hours required for this category. One course must include a laboratory component; the two courses must be from different disciplines.

ANT 202 Biological Anthropology - NS (4 credits)
AST 110 Solar System Astronomy with Laboratory - SL (4 credits)
AST 115 Stars, Galaxies, and Cosmology with Laboratory - SL (4 credits)

BIO 120 Understanding the Living World - NS (4 credits) ♦ and
BIO 120L Understanding the Living World Laboratory - SL (0 credits)

BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦ and
BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦

BIO 123 Human Ecology - NS (3 credits) ♦
BIO 125 Biological Perspectives of Wellness - NS (3 credits) ♦
BIO 126 Human Nutrition - NS (3 credits) ♦

BIO 150 Introduction to Biology I - NS (4 credits) ♦ and
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

BIO 158 Diversity of Life: Microbes to Humans - NS (3 credits)

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦ and
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

CHE 105L Discovering Chemistry Laboratory - SL (1 credits)

CHE 112 Chemistry and Society - NS (3 credits) and
CHE 112L Chemistry and Society Laboratory - SL (1 credit) ♦

CHE 115 Physiological Chemistry - NS (3 credits) ♦ and
CHE 115L Physiological Chemistry Laboratory - SL (1 credit)

CHE 120 General Chemistry I - NS (3 credits) ♦ and
CHE 120L General Chemistry I Laboratory - SL (1 credit)

CHE 130 Chemistry: An Engineering Approach - NS (3 credits) ♦ and
CHE 130L Chemistry: An Engineering Approach Lab - SL (1 credit) ♦

EGT 110 Introduction to Engineering/Technology - NS (3 credits) ♦
ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)

ENV 130 Water and People - NS (3 credits) ♦ and
ENV 130L Water and People Laboratory - SL (1 credit)

GEO 108 Physical Geography - NS (3 credits)
GLY 110 Earth Science with Laboratory - SL (4 credits)
GLY 115 History of the Earth - NS (3 credits)
GLY 125 Prehistoric Life - NS (3 credits)
GLY 130 Geology of National Parks - NS (3 credits)
INF 120 Elementary Programming - NS (3 credits) ♦
PHY 110 Introduction to Physics with Laboratory - SL (4 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
SCI 110 Integrative Science - SL (4 credits) ♦

Mathematics and Statistics

Three semester credit hours required.

MAT 114 Finite Mathematics - QR (3 credits) ♦
MAT 115 Mathematics for Liberal Arts - QR (3 credits) ♦

MAT 115R Math for Liberal Arts w/ Recitation - QR (3 credits)
MAT 128 Calculus A - QR (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
MAT 185 Introductory Discrete Mathematics - QR (3 credits) ♦
PHI 265 Logic - QR (3 credits) ♦
STA 113 Probability and Statistics with Elementary Education Applications - QR (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
STA 205R Statistical Methods with Recitation - QR (3 credits)

Self and Society Category

The objectives of these courses are to teach students to effectively gather material relating to a focused topic using a variety of tools, sources, and search strategies; to identify, interpret, and evaluate assumptions, evidence, conclusions, and theories; to understand economic, political, and social legacies of imperialism and colonialism, with reference to the linguistic or cultural diversity, for societies, groups, and individuals; to compare historical perspectives on the development of various cultures; to identify the connections and differences among local, national, and global communities; to demonstrate how literature and the arts reflect and influence cultures; to distinguish between scientific and non-scientific explanations by employing scientific methods; to understand the influence of cultural and socioeconomic backgrounds in shaping attitudes and opinions (in themselves and others); and to demonstrate an understanding of the variety of influences on human behavior. The following courses are approved for this category:

Cultural Pluralism

Three semester credit hours required to satisfy the category, and course must be from a different discipline than courses taken to satisfy the Individual and Society category.

ANT 201 World Cultures - SB (3 credits)
ANT 230 North American Indians - SB (3 credits)
ANT 231 Modern American Indians - SB (3 credits)
ANT 245 Peoples of Latin America and the Caribbean - SB (3 credits)
ANT 270 Native Australia and Oceania - SB (3 credits)
BLS 100 Introduction to Black Studies - SB (3 credits)
DAN 200 Dance and Music of the African Diaspora - SB (3 credits)
EDU 316 Education in a Multicultural Society - SB (3 credits)
EMB 105 Media in a Diverse Society - SB (3 credits)
ENG 212 Literatures of Inclusion - SB (3 credits)
LDR 180 Leading Social and Cultural Change - SB (3 credits) ♦
MUS 108 History of Rock and Roll - SB (3 credits)
MUS 110 Appreciation of Jazz - SB (3 credits)
PSC 201 Human Rights & Freedoms - SB (3 Credits)
SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
SWK 105 Social Work & the Community - SB (3 credits)
TAR 102 Race, Gender and Theatre - SB (3 credits)
WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)

Individual and Society

Six semester credit hours required to satisfy the category. Each course must be from a different discipline, and neither course can be from the same discipline as the course taken to satisfy the Cultural Pluralism category.

ANT 110 Unearthing the Past: World Archaeology - SB (3 credits)
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
FLC 101 Pathways to Financial Success - SB (3 credits)
INF 128 Principles of Informatics - SB (3 credits)
IST 185 Introduction to Integrative Studies - SB (3 credits)
HIS 200 Poverty, Prosperity, and Opportunity - SB (3 credits)
HSR 100 Society and Human Services - SB (3 credits)
JOU 110 Introduction to Mass Communication - SB (3 credits)
JUS 101 Introduction to Criminal Justice - SB (3 credits)
LDR 101 Leadership in Action - SB (3 credits)
LIN 175 Information Literacy - SB (3 credits)
NEU 101 Neuroscience for Life: Sex to Society - SB (3 credits)
PHI 110 Philosophy, Individuals and Society - SB (3 credits)
PSC 100 American Politics - SB (3 credits)
PSY 100 Introduction to Psychology - SB (3 credits)
SOC 100 Introduction to Sociology - SB (3 credits)

Culture and Creativity Category

The objectives of these courses are to teach students to effectively gather material relating to a focused topic using a variety of tools, sources, and search strategies; to explore the implications and consequences of their initial conclusions and use them to generate new ideas, questions, and directions for further inquiry; to compare historical perspectives on the development of various cultures; and to demonstrate how literature and the arts reflect and influence cultures. The following courses are approved for this category:

Six semester credit hours required to satisfy this category

Each course must be from a different discipline. Bachelor's degree candidates are limited to three credit hours (one course) of foreign language to satisfy this category. Associate degree candidates may not use a foreign language course to satisfy this category.

ARI 101 Elementary Arabic I - AH (3 credits)
ART 100 Art Appreciation - AH (3 credits)
CHI 101 Elementary Chinese - AH (3 credits)
DAN 100 Dance Appreciation - AH (3 credits) ♦
EMB 100 Media Literacy - AH (3 credits)
ENG 200 Understanding Literature - AH (3 credits)
ENG 231 Introduction to Creative Writing - AH (3 credits) ♦
ENG 302 Literature and Film - AH (3 credits) ♦
ENG 316 Social Issues in Literature - AH (3 credits) ♦
FRE 101 Elementary French I - AH (3 credits)
GER 101 Elementary German I - AH (3 credits)
HIS 102 History of the United States through 1877 - AH (3 credits)

HIS 103 History of the United States since 1877 - AH (3 credits)
ITA 101 Elementary Italian I - AH (3 credits)
JPN 101 Elementary Japanese I - AH (3 credits)
KOR 101 Elementary Korean I - AH (3 credits)
LAT 101 Elementary Latin I - AH (3 credits)
MUS 100 Music Appreciation - AH (3 credits)
MUS 201 Music and the Moving Image - AH (3 credits)
PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)
POP 205 Introduction to Popular Culture - AH (3 credits)
POP 250 International Popular Culture - AH (3 credits)
PSC 202 Politics & Culture - AH (3 credits)
REL 200 World Religions and Cultures - AH (3 credits)
RUS 101 Elementary Russian I - AH (3 credits)
SPI 101 Elementary Spanish I - AH (3 credits)
TAR 100 Theatre Appreciation - AH (3 credits)
TAR 165 Comparative Arts - AH (3 credits)

Global Viewpoints Category

The objectives of these courses are to teach students to understand economic, political, and social legacies of imperialism and colonialism, with reference to linguistic or cultural diversity, for societies, groups, and individuals; to compare historical perspectives on the development of various cultures; to identify connections and differences among local, national, and global communities; to demonstrate how literature and the arts reflect and influence cultures; to comprehend the ethical perspectives and responsibilities of individuals; to understand the influence of cultural and socioeconomic backgrounds in shaping attitudes and opinions (in themselves and others); and to demonstrate an understanding of the variety of influences on human behavior. The following courses are approved for this category:

Three semester credit hours required to satisfy this category

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
ANT 114 Great Archaeological Sites - AH (3 credits)
BIO 235 Costa Rican Natural History - AH (3 credits) ♦
ENG 213 Global Viewpoints in Literature - AH (3 credits)
GEO 100 Geography and the Human Landscape - AH (3 credits)
GLY 120 This Dangerous Earth - SB (3 credits)
HIS 111 Global Viewpoints in History - AH (3 credits)
JUS 231 Race, Gender and Crime - AH (3 credits)
LDR 160 Leadership Around the World - AH (3 credits)
MUS 106 Music of World Cultures - AH (3 credits)
PHI 200 Introduction to Ethics - AH (3 credits)
PHI 220 Health Care Ethics - AH (3 credits)
PSC 102 Comparative Politics - AH (3 credits)
PSC 103 International Politics - AH (3 credits)
PSC 110 Political Ideas (3 credits)
SOC 101 Global Inequalities - SB (3 credits)
SWK 106 Introduction to Social Justice - AH (3 credits)

Course Notes

Fall 2018 - New General Education Courses for fall 2018 or later. These courses only fulfill Foundation of Knowledge (FOK) requirements if taken beginning fall 2018 or later. ENG 291, GLY 225, and GLY 230 were renumbered to ENG 102, GLY 125, and GLY 130. ENG 212 and NEU 101 were added for the 2018-19 academic year. STA 212 was deleted, but still counts toward FOK if completed prior to Fall 2018.

Fall 2019 - New General Education Courses for fall 2019 or later. These courses only fulfill Foundation of Knowledge (FOK) requirements if taken beginning fall 2019 or later. STA 205R, MAT 115R , CHE 130 & CHE 130L, SPB 200, LDR 180.

Spring 2020 - As of Spring 2020, BIS 111 will no longer be a Gen Ed course offering.

Kentucky Transfer Policy

The Kentucky Council on Postsecondary Education and other Kentucky institutions developed and approved the Kentucky Transfer Policy to facilitate student progress to graduation and ease transfer between state institutions. Students must have a cumulative GPA of 2.0 or higher to qualify for the Kentucky Transfer Policy.

Certification of General Education Blocks

For a student transferring from a public college or university of the commonwealth of Kentucky, there are three levels of general education certification. Each level is based on the number and category of courses taken. Students can complete general education courses in categories (also referred to as blocks), as a core component, and as a complete general education program. Each level of certification is identified below.

General Education Category Certified. Students who have completed some but not all of the five categories in the Core Component will be "category certified" for purposes of transfer. Individuals in this situation must fulfill all of the remaining general education requirements of the receiving institution that have not been satisfied through category certification.

General Education Core Certified. Students who have completed all of the categories - the core component - with a minimum of 30 unduplicated credit hours will be "core certified" for purposes of transfer. Individuals in this category must fulfill the remaining general education requirements of the receiving institution that have not been satisfied through the core component. At NKU, this means completing three credit hours in the Global Viewpoints category.

Kentucky Transfer Policy Category	Northern Kentucky University General Education Category
Communication - six to nine credit hours	Communication

	Oral - three credit hours
	Written - six credit hours
Arts and Humanities - six to nine credit hours	Culture and Creativity - six credit hours
Quantitative Reasoning - three to six credit hours	Mathematics - three credit hours
Natural Sciences - three to seven credit hours	Natural Sciences - seven credit hours
Social and Behavioral Sciences - six to nine credit hours	Self and Society - nine credit hours
	Global Viewpoints - three credit hours

General Education Fully Certified. Students who have completed a general education program, with a minimum of 30 unduplicated semester credit hours or the equivalent (may include a SACS justification for fewer hours) which includes the core component and all additional institutional-specific general education courses, will be "general education fully certified" for purposes of transfer. If the receiving institution's general education program requires a sum of hours that is less than the total the student has taken at the sending institution, the excess hours will be accepted for transfer by the receiving institution and evaluated for application toward degree requirements. There may be graduation requirements beyond general education requirements that a student will need to complete (e.g., senior year capstone experiences).

Table of Programs Offered

The table that follows shows the undergraduate programs available at NKU. Here's how to read the table:

The **bachelor** column shows the majors and the degree (or degrees) associated with each major: B.S. = Bachelor of Science; B.A. = Bachelor of Arts; B.F.A. = Bachelor of Fine Arts; B.M. = Bachelor of Music; B.S.N. = Bachelor of Science in Nursing; B.S.B.A. = Bachelor of Science in Business Administration; and B.S.W. = Bachelor of Social Work.

The **certificate** column lists "PB" for a postbaccalaureate certificate and "U" for an undergraduate certificate.

The other columns indicate by "AD" if one can earn an associate degree; "M" if one can earn a minor; and "TC" if one can obtain teacher certification in the listed discipline. **NOTE**: If an item contains "TC", is not linked, and no information is found within the catalog, please contact an advisor within the corresponding department.

In addition, three superscript codes are used:

* means students with an interest in majoring in one of these fields will be placed in a pre-major status.

O means the program is available online; most of these programs are also available through a traditional delivery model.

+ means the program requires a secondary area

Discipline	Associate	Bachelor	Minor	Teaching Certification	Certificate
3D Digital Design and Visual Effects		B.A.+	M		
Accounting		B.S.B.A.*	M		
Advanced Nursing Studies		RN-B.S.N.* O			
Advanced Technology			M		
Ancient Civilizations			M		
Anthropology		B.A.+	M		
Applied Software Engineering		B.S.+			
Archaeology			M		
Art History			M		
Astronomy			M		
Biological Sciences		B.A./B.S.	M		
Black Studies			M		
(General) Business Major / Business Minor		B.S.B.A.	M		
Business Information		B.S.*O	MO		

Systems Major / Information Systems Minor					
Celtic Studies			M		
Chemistry		B.A.+/B.S.	M		
Chinese Studies			M		
Cinema Studies			M		
Communication Studies		B.A.O+	MO		
Computer Aided Design/Drafting					U
Computer Forensics			M		
Computer Information Technology		B.S.+	M		
Computer Science		B.S.+	M		
Construction Management		B.S.	M		
Creative Writing			M		
Criminal Justice		B.A.O+	MO		
Criminalistics			M		
Cybersecurity		B.S.			UO
Dance			M		
Data Science		B.S.			
(Interdisciplinary) Early Childhood Education		B.A.*		TC	
(Interdisciplinary) Early Childhood Education Non-Certification		B.A.*			

Earth/Space Science				TC	
Economics		B.S.*+	M		
Electronic Media and Broadcasting		B.A.+	M		
Electrical & Electronics Engineering Technology		B.S.			
Electronics Technology			M		
Elementary Education		B.A.*		TC	
Engineering Physics		B.S.			
English		B.A.+	M	TC	
Entrepreneurship		B.S.B.A.*	M		
Environmental Science		B.A./B.S.+			
Environmental Studies			M		
Evolutionary Studies			M		
Exercise Science		B.S.			
Finance		B.S.B.A.*	M		
French		B.A.+	M		
Geography			M		
Geology		B.A.+/B.S.	M		
German		B.A.+	M		
Global Supply Chain Management		B.S.B.A.			
Health Communication		B.A.O+	MO		

Health Education			M	TC	
Health Informatics		B.S.+	M		
Health Science		B.S.0+			
History		B.A.0+	M0		
Honors			M		
Human Resource Management		B.S.B.A.*			
Human Services and Addiction		B.S.+	M		
Industrial Technology			M		
Information Security			M		
Integrative Studies	AD	B.A.0			
International Studies		B.A.+	M		
Japanese		B.A.+	M		
Journalism		B.A.+	M		
Law		B.A.+			
Library Informatics		B.S.0+	M		
Management		B.S.B.A.*	M0		
Marketing		B.S.B.A.*	M		
Mathematics		B.S.+	M	TC	
Mechanical & Manufacturing Engineering Technology		B.S.			
Mechatronics Engineering Technology		B.S.			

Medieval and Renaissance Studies			M		
Middle Grades Education		B.A.*		TC	
Military History			M		
Music		B.A.+/B.M.*	M	B.M.E.	
Native American Studies			M		
Neuroscience		B.S.	M		
Nursing		B.S.N.*0			
Organizational Leadership		B.A.0+	M		
Philosophy		B.A.+	M		
(Applied) Philosophy			M		
Physical Education		B.A.*	M	TC	
Physical Education Non-Certification		B.A.*			
Physics		B.A.+/B.S.	M	TC	
Political Science		B.A.+	M0		
Popular Culture			M		
Pre-Law			M		
Professional Writing			M		
Psychological Science		B.A.+/B.S.+	M		
Public Service			M		
Public Relations		B.A.+			

Radiation Therapy		B.S.			
Radiologic Science		B.S.			
Religious Studies			M[o]		
Respiratory Care		B.S.			
Respiratory Care Completion Program		B.S.			
Secondary Education		B.A.*			
Social Justice			M		
Social Studies				TC	
Social Work		B.S.W.[+]			
Sociology		B.S.[+]	M		
Software Development					U
Spanish		B.A.[+]	M		
Spatial Arts			M		
Special Education		B.A.*		TC	
Sports Business		B.S.B.A.*	M		
Sports Medicine			M		
Statistics		B.S.[+]			
(Applied) Statistics			M		
Studio Arts			M		
Sub-Saharan African Studies			M		
Technological Leadership and Innovation					U
(Advanced) Technology			M		
Theatre		B.A.[+]/B.F.A.	M		
Theatre Design, Technology, or Stage Management		B.F.A.			
Theatre Performance		B.F.A.			
Visual Arts		B.A.[+]/B.F.A./B.S.			
Visual Communication and Design		B.A.			
Women's and Gender Studies			M[o]		

Note: Separate applications are required for athletic training, health science, nursing, radiologic technology, and respiratory care. Please contact the appropriate program director for a selective admission application.

Graduate Education

NKU offers a wide array of graduate programs designed for students who seek to strengthen and accelerate their professional development and career paths. Programs are designed for working professionals and accommodate part-time enrollment. To find out more about the master's programs, the doctoral program in educational leadership or nursing practice, or any of the numerous graduate certificate programs please call the Office of Graduate Programs at 859 572-6364; send them an email message (graduate@nku.edu); or visit their website (http://www.nku.edu/admissions/graduate.html).

COLLEGES

College of Arts and Sciences

Location**:** Steely Library 410
Telephone**:** 859-572-5495
Fax**:** 859-572-6185
Email Address**:** DeanAandS@nku.edu
Web Address**:** http://www.nku.edu/academics/artsci.html
Dean**:** Diana McGill
Other Key Personnel**:**

Associate Dean: Bethany Bowling
Associate Dean:Eric Jackson

Associate Dean: Danlielle McDonald
Assistant Dean and Director of the College Advising Center: Amy Racke
Budget Officer:
Director of Development: Sarah Eastburn
Director of Integrative Studies: Rudy Garns
Assistant to the Dean: Annette Pendery

The College of Arts and Sciences is not only the largest of the six colleges at Northern Kentucky University, but we also offer the most diverse collection of undergraduate and graduate degree programs and the widest array of general education courses. All students will discover something of interest in our classes and leave better prepared to solve problems, create, discover, communicate, and influence their communities and the world around them. Students in Arts and Sciences may choose from among 48 undergraduate degree programs and 46 minors. We offer undergraduate certificates in 5 areas, and graduate certificates and master's degrees in 12 areas. Pre-professional programs are available for students interested in specific career paths such as medicine, pharmacy, law, engineering, forestry and wildlife management. Students interested in experiencing multiple disciplines and understanding the connections among them may choose from many interdisciplinary program options at the undergraduate and graduate levels.

We look forward to welcoming you to the College of Arts and Sciences and helping you succeed throughout your university experience and beyond!

College Advising Center

Location**:** Landrum 330
Telephone**:** 859-572-5494
Fax**:** 859-572-1444
Email Address**:** COASAdvising@nku.edu
Web Address**:** http://artscience.nku.edu/advisingcenter.html
Key Personnel**:**

Assistant Dean and Director: Amy Racke
Academic Advisor: Brittany Campbell
Academic Advisor: Kyle Dorriere
Academic Advisor: Megan Larkin

The center helps students who have issues and may need approval from the assistant dean. These include but are not limited to problems with graduation, withdrawal from classes, registration, probation, suspension, and reinstatement. The advisors in the center assist all Integrative Studies and undeclared majors in the College of Arts and Sciences with course selection and general education requirements, transfer credit, personal time management, and varied program possibilities. In addition, they advise the Chase 3+3 program.

Accreditations

American Chemical Society - Chemistry
National Association of Schools of Music - Music
Network of Schools of Public Policy, Affairs and Administration - Political Science and Criminal Justice
The Engineering Technology Accreditation Commission of ABET- Electronics Engineering Technology; Mechanical and Manufacturing Engineering Technology

Centers

Center for Applied Anthropology

Location**:** Landrum Academic Center 228
Telephone**:** 859-572-5702
Fax**:** 859-572-6086
Email Address**:** cfaa@nku.edu
Web Address**:** http://nku.edu/cfaa
Director**:** Douglas W. Hume
Associate Director: Jessica Lott
Assistant Director: Denise Knisely

This center collaborates and conducts community-based ethnographic research with local, national, and international nonprofit and governmental agencies. The CfAA partners with the Scripps Howard Center for Civic Engagement, Kentucky Campus Compact, NKU Office of Education Abroad, and the Cooperative Center for Study Abroad to provide service-learning projects for NKU students both in the United States and abroad. Anthropological theory and method is uniquely equipped to provide ethnographic data to assist projects involving local human communities and other project stakeholders. Our methods include ethnographic interviews, qualitative analyses, questionnaires, and quantitative analyses.

The Burkardt Consulting Center

Location**:** Mathematics-Education-Psychology Center 463
Telephone**:** 859-572-1325
Email Address**:** bcc@nku.edu
Web Address**:** http://bcc.nku.edu
Director**:** Joseph Nolan
Assistant Director**:** Mary Lee Glore

The Burkardt Consulting Center (BCC) provides statistical consulting to NKU students, NKU faculty, and community members throughout the Northern Kentucky region. As part of its mission, the BCC also provides a venue for undergraduate statistics and/or mathematics majors at NKU to gain valuable internship experience in which they (under the direction of our faculty) consult with clients on real-world problems. The BCC assists clients with quantitative analyses including, but not limited to: study design, survey design, data collection, data analysis, and reporting.

Center for Integrative Natural Science and Mathematics

Location**:** Landrum Academic Center 134
Telephone**:** 859-572-5381
Fax**:** 859-572-6179
Email Address**:** cinsam@nku.edu
Web Address**:** http://cinsam.nku.edu
Director**:** Madhura Kulkarni
Other Key Personnel**:**

Associate Director: vacant
STEM Outreach Director: Leslie Silbernagel
Outreach Specialist: Amber Carter
Director of Recruitment and Retention: vacant
Program Manager: PJ Arnold
Robotics Coordinator: Beth Koch
Instrument & Technology Manager: Tracy Kaeff
Budget and Administration Coordinator: Tina Altenhoen
STEM Communications Manager: Kelli Rieskamp

The Center for Integrative Natural Science and Mathematics, established in 1999 as NKU's program of distinction, strives to enhance the teaching, learning, and applying of science and mathematics at NKU and in the northern Kentucky region through interdisciplinary collaboration. CINSAM engages teachers of science and mathematics by offering integrative science and mathematics coursework for prospective teachers and through programs of outreach and continuing education for current teachers. CINSAM also supports the science, technology, engineering and mathematics programs at NKU in the recruitment, retention, and graduation of STEM and STEM education students. In addition, CINSAM funds collaborative research between NKU faculty and students. CINSAM engages with the community through summer camps and outreach events for area students and by working with industry and government on joint projects involving NKU faculty and students.

Center for Public History

Location**:** Landrum Academic Center 415
Telephone**:** 859-572-6186
Email Address**:** centerforpublichisto@nku.edu
Web Address**:** http://publichistory.nku.edu
Director**:** Rebecca Johnson
Assistant Director**:** Brian Hackett

The Center for Public History supports the civic engagement and community outreach activities of the faculty and students of the History and Geography department providing students with practical and real-world experiences in the promotion, presentation and preservation of local and regional history. The Center also provides a venue for department students and faculty to showcase their work as it actively plans, supports and implements history-related projects in the tri-state area.

Department of Biological Sciences

Location**:** Herrmann Science Center 204D
Telephone**:** 859-572-5110
Fax**:** 859-572-5639
Email Address**:** biology@nku.edu
Web Address**:** https://inside.nku.edu/artsci/departments/biology
Department Chair**:** Erin Strome
Other Key Personnel**:**

Assistant Chair: David Thompson
Academic Advisor: Lynn Crane, Heleen Giesbers
Department Coordinator: Tina Peebles
Secretary: Victoria Hugo

Full-Time Faculty**:** Charles A. Acosta, Anthony Avenido, Bethany V. Bowling, Richard L. Boyce, Joshua Cooper, Christine Curran, Gregory Dahlem, Richard D. Durtsche, Subhomita Ghosh Roy, Kristine N. Hopfensperger, Patricia Kappesser, Joseph Mester, Sydney Oluoch, Allison Parker, Denice N. Robertson, Megan Sanctuary, Bradley Sarchet, Mary Schilling, Patrick J. Schultheis, Michael P. Scola, Emily Shifley, Erin Strome, David Thompson, Lindsey Walters, Mary K. Whitson, Lauren Williamson, Yingying Xie

Thinking about the discipline**:** A major in the biological sciences can lead to a variety of careers including laboratory and field research, medicine, dentistry, veterinary medicine, pharmacy, physical therapy, teaching, forensics, and many others.

Special opportunities for our students**:** The best way for students to learn about science is by doing science. Therefore, the department strongly encourages all students majoring in biology to participate in research with a faculty member. Students can begin learning about research in "BIO 292 Introduction to Research in Biology (0 credits)" and continue working with a faculty member in "BIO 392 Techniques of the Biological Sciences (1-2 credits)." In BIO 392 students will learn techniques they can use in "BIO 492 Directed Research: Biological Sciences (1-3 credits)." Students present their data at local, state, and national professional meetings.

Biology courses are offered in a variety of countries each year, presenting students with the opportunity for international experiences. In addition, the department has multiple active clubs: Tri-Beta National Honor Society, Health Professions Club, Environmentally Concerned Organization of Students, Birding Club, and Scuba Club.

Special admission requirements**:** There are no specific admission requirements for the programs in this department.

Interdisciplinary Major**:**

Environmental Science, B.A.
Environmental Science, B.S.
Neuroscience, B.S.

Pre-Professional programs**:**

NOTE: The following are not majors; they are areas of emphasis for advising purposes. Other pre-professional programs can be found in the section of the catalog dealing with pre-professional programs. The pre-professional programs that fit well with biology are:

Pre-Dental
Pre-Medical or Physician Assistant
Pre-Optometry
Pre-Pharmacy

Pre-Physical Therapy
Pre-Veterinary Medicine
Pre-Forestry*
Pre-Wildlife Management*

*Information about these programs can be found below.

Interdisciplinary Minors:

Environmental Studies Minor
Neuroscience Minor

Department of Chemistry & Biochemistry

Location: Herrmann Science Center 204F
Telephone: 859-572-5409
Fax: 859-572-5162
Email Address: chemistry@nku.edu
Web Address: http://nku.edu/chemistry
Department Chair: K.C. Russell
Other Key Personnel:

Academic Advisor/Retention Specialist: PJ Ball
Department Coordinator: Christine Yankovsky
Stockroom Manager: Kris Mason
Laboratory Coordinator:

Full-Time Faculty: P.J. Ball, Charlisa Daniels, John Farrar, Gwen Fields, Kebede Gemene, Michael Guy, Patrick Hare, Isabelle Lagadic, Lili Ma, Diana McGill, Amber Onorato, Betty Russell, K.C. Russell, Cat Shelton, Bradley Sieve

Thinking about the discipline: Students who choose to major in chemistry are inquisitive and good problem solvers. A degree in chemistry prepares students to become professional chemists and biochemists and to enter graduate programs or professional programs such as medical, pharmacy, dental, veterinary, and law school. Graduates from NKU's chemistry & biochemistry program are successful industrial and environmental chemists, physicians, pharmacists, forensic scientists, college professors, and high school teachers. Some graduates choose unconventional career paths such as pharmaceutical and medical equipment sales, public health administration, and even banking or finance. In short, the training students receive in this rigorous, student-centered curriculum prepares them to be successful in any field that requires creativity, critical thinking, and problem-solving skills.

Special opportunities for our students: Students interested in chemistry & biochemistry have many opportunities outside the classroom where they can apply their skills and interests. The department is extremely well equipped to support faculty-student collaborative work, and the department strongly encourages students to work with a professor on an undergraduate research project. Students can participate in several different vibrant research groups as well as regional internship experiences. The department also provides several international opportunities. The department has a very active student group, the Student Affiliates of the American Chemical Society, as well as an honor society, Gamma Sigma Epsilon Chemistry Honor Society (www.gammasigmaepsilon.org).

Special admission requirements: There are no specific admission requirements for the programs in this department.

You should also know: Many upper-level labs require completion of CHE 391W Chemical Information and Writing - WC (3 credits) as a prerequisite, so students are encouraged to take this course in their sophomore year. For all major tracks in chemistry, students must take a minimum of 9 hours of chemistry courses at NKU, 1 credit hour of which must be CHE 400 Chemistry Seminar (1 credit).

Pre-Professional programs: **

Pre-Dental
Pre-Medical or Physician Assistant
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Veterinary Medicine

**These areas may be selected by majors in the B.S. General Chemistry, B.S. Biochemistry, or B.A. Chemistry tracks, and more information is found in the pre-professional section of the catalog.

Department of English

Location: Landrum Academic Center 500
Telephone: 859-572-5416
Email Address: english@nku.edu
Web Address: http://english.nku.edu
Department Chair: Andrea Gazzaniga
Other Key Personnel:

Academic Advisor: Mike Ruwe
Writing Instruction Program Director: Jennifer Cellio
Graduate Program Director: Ernest Smith
Undergraduate Program Director: TBD
Creative Writing Director: Jessica Hindman
Cinema Studies Director: Andrea Gazzaniga
Department Coordinator: Julie Hess
Department Secretary: Summer Smith

Full-Time Faculty: John Alberti, Janel Bloch, Nancy Bowers, Thomas Bowers, Jennifer Cellio, Jonathan S. Cullick, Emily Detmer-Goebel, Donelle Dreese, Andrea Gazzaniga, Steven J. Gores, Barclay Green, Jessica Hindman, Parmita Kapadia, Roxanne Kent-Drury, Tonya Krouse, Kelly Moffett, Tamara F. O'Callaghan, Ernest Smith, Paige Byam Soliday, Robert K. Wallace, Gary Walton, Chris Wilkey, Kristine A. Yohe

Thinking about the discipline: English programs promote critical, creative, and reflective expression in the English language. Students in the English program engage with diverse literary texts

and cultural texts, and they learn and practice critical reading and effective writing. In addition to these skills, students seeking secondary teaching certification in English learn and practice the most up-to-date pedagogical theories and methods.

The skills that English majors develop in research, communication, comprehension, and analysis prepare them for careers in a multitude of fields in the private and public sectors such as government, law, education, business, and nonprofits. NKU's English program emphasizes written communication skills, intellectual development, and humanistic values, which enable students to identify and pursue personal, career, and civic goals.

What can someone do with an English degree? In today's ever-changing and dynamic modern economy, graduates need a diverse set of skills and experiences, a flexible and adaptable outlook, and the ability to think creatively, all of which the major in English provides. The major in English helps prepare students for careers in many professional areas, including business, law, government, public relations, and teaching.

Special opportunities for our students**:** The department offers a variety of scholarships and awards, including: the Stallings English Scholarship; the Eric Meyer Poetry Scholarship; the R.M. Miller Endowed Award for Outstanding Fiction Writing; the Barbara M. Collier Memorial Endowed Scholarship; the Bill Byron Award; the Thad Lindsey Award; the Lindsey Book Awards; the Lindsey Leadership Award; and the Judith Blackburn Award. Information about selection criteria and how to apply can be found on the English department website.

The English department has two student-run publications that provide real world editing and publishing experience: (1) Loch Norse Magazine is Northern Kentucky University's student literary magazine. Loch Norse Magazine publishes exclusively student poems, short stories, one-act plays, excerpts from longer works of fiction, and student visual art; (2) Pentangle is a student journal of literary criticism. Pentangle publishes undergraduate and graduate research papers, critical essays, and book reviews related to all areas of literary studies.

Special graduation requirements**:** To graduate, a student must earn a grade of *C* or higher in every course used to fulfill the major or minor requirements in English, including courses used to fulfill the foreign language requirement. All English majors are required to demonstrate (1) intermediate-level proficiency in a foreign language previously spoken or used to satisfy the NKU entrance requirement or (2) novice-level proficiency in a second foreign language. Students can demonstrate intermediate-level proficiency by either completing the appropriate 200-level course in the language studied in high school or by attaining an acceptable score on the CLEP test in that language. Students can demonstrate novice-level proficiency by completing two semesters of a language not previously studied or spoken.

Interdisciplinary Minors:

Cinema Studies Minor

Department of History

Location**:** Landrum Academic Center 415
Telephone**:** 859-572-5461
Fax**:** 859-572-6088
Email Address**:** hisgeo1@nku.edu
Web Address**:** http://hisgeo.nku.edu
Department Chair**:** Burke Miller
Other Key Personnel**:**

Academic Advisor: Rebekah Richardson
Black Studies: David Childs
Medieval and Renaissance Studies: William Landon
Women's & Gender Studies: Rebekah Richardson
Public History: Brian Hackett
Center for Public History: Brian Hackett

Full-Time Faculty**:** Rebecca Bailey, Brian Hackett, Eric Jackson, William Landon, François LeRoy, Joe Lombardi, Carol Medlicott, Debra Meyers, Burke Miller, Kathleen Quinn, Jonathan Reynolds, Paul Tenkotte, Sharon Vance, Michael Washington, Andrea Watkins, Robert Wilcox

Who are we?**:** We are explorers, storytellers, educators, and activists who offer opportunities to engage with the forces that make us who we are as individuals and global citizens. Our goal is to provide students with foundations for fulfilling lives and careers of discovery and creativity.

Opportunities for our students**:** Regardless of where your interests lie, we invite you to engage with each other, faculty, and the community as we explore the critical issues of today and yesterday both in and out of the classroom. Gain valuable real-world experience through exciting courses, internships, independent research, and study abroad opportunities. Join us for lively debates, meaningful conversations, and informative talks. Leave the beaten path with a behind-the-scenes trip to a local museum or on one of our popular hidden-history tours. Get your hands dirty uncovering relics of the past at a local historical site. Hang out with us at a department picnic, ghost stories around the fire, or a 4th floor discussion. Whatever your interests, we have a place for you.

Our student honor society, Phi Alpha Theta, offers the chance to present your research at student conferences or have an article published in our annual journal, Perspectives in History, while our History Club offers students the chance to hang out with new friends who share common interests.

We proudly offer the following annual student awards: the W. Frank Steely Senior Award, H. Lew Wallace Junior History Award, Leon E. Boothe Community Service Award, Outstanding Geography Student, Outstanding Graduate Student in Public History, W. Frank Steely Travel Fellowship, Ed and Betty Foster Endowed Scholarship for History, Mark R. Herrmann History Scholarship, W. Frank Steely Endowed History Scholarship, W. Frank Steely and Martha J. Pelfrey Social Studies Scholarship, and the Macel Wheeler Scholarship.

Department Minors:

Geography Minor
History Minor
Military History Minor

Interdisciplinary Minors:

Black Studies Minor
Medieval and Renaissance Studies Minor
Women's and Gender Studies Minor

Department of Mathematics and Statistics

Location: Mathematics-Education-Psychology Center 401
Telephone: 859-572-5377
Email Address: math@nku.edu
Web Address: http://nku.edu/math
Department Chair: Brooke Buckley
Other Key Personnel:

Academic Advisor: Kevin Corea
Department Secretary: Joni Landwehr

Full-Time Faculty: David Agard, Brooke Buckley, Chris Christensen, James Clark, Paulette Ebert, Mary Lee Glore, Nelum Hapuhinna, Jacqueline Herman, Theodore Hodgson, Lisa Holden, Dhanuja Kasturiratna, Marla Lemmon, Andrew Long, Philip McCartney, Daniel McGee, Carl Miller, Stephen Newman, Bethany Noblitt, Joseph Nolan, Michael Waters, Steven Wilkinson, Roger Zarnowski

Thinking about the discipline: Mathematics and statistics involve finding patterns in quantitative information and using those patterns to solve problems and predict future trends. A good understanding of mathematics and statistics prepares students for careers in a variety of fields where good problem-solving skills are required. In lists of the best jobs, publications such as *The Wall Street Journal* and *Forbes* routinely rank mathematician, statistician, actuary, and related occupations among the top 10.

A major in mathematics can lead to a variety of careers including mathematical and scientific research in areas as different as national security and petroleum exploration; in several business fields such as insurance, banking, and finance; and in professions such as law, teaching, and medicine. The study of mathematics builds a way of thinking that is used to solve a variety of problems that arise in different contexts. That ability to solve problems makes mathematicians a valuable commodity in many occupations.

Statistics is the science of learning from data, whether those data come from biology, economics, engineering, medicine, public health, psychology, marketing, sports, or education. The major in statistics offers students the breadth and depth of knowledge necessary to attain various career objectives in many different fields.

Special opportunities for our students: Mathematics and statistics students have a variety of opportunities, both curricular and extracurricular, to explore and practice their chosen discipline.

- Incoming students may choose to complete a 2-course first-year experience. The fall semester includes a deep investigation of mathematical connections to some topic selected by faculty members, while the spring semester centers on the communication of mathematical ideas.
- A number of students participate in annual national and international competitions such as the Virginia Tech exam and the Putnam exam, which are timed exams of challenging mathematical problems, or the COMAP competition where over one weekend teams of students tackle a large problem that requires them to synthesize and use a number of the mathematical and statistical tools along with the problem-solving skills they have learned.
- The Mathematics and Statistics Club is a student organization that provides both social and informational opportunities for the majors.
- Students can work in the department's Burkardt Consulting Center where they analyze real-world problems for clients from both the university and the community.
- Students have opportunities to engage in research with members of the faculty and may attend regional and national meetings to present the results of their research.
- There are a number of merit-based scholarships available to mathematics and statistics students.

Special admission requirements: Students who plan to undertake studies in mathematics or statistics will need a background in mathematics equivalent to four years of high school that includes algebra I and II, geometry, and trigonometry. An ACT mathematics score of at least 27 or an SAT mathematics score of at least 650 indicates mastery at a level ready to begin the core courses in the department majors, beginning with calculus. It is recommended that students be at this level before declaring a mathematics or statistics major. Deficiencies in a student's background can be remedied in courses taught at NKU. Placement into the appropriate course is based on the student's ACT mathematics score, SAT mathematics score, or the ALEKS placement test.

Department of Physics, Geology, and Engineering Technology

Telephone: 859-572-5309
Fax: 859-572-6092
Email Addresses:

gruped1@nku.edu
planetarium@nku.edu

Web Address:
http://inside.nku.edu/artsci/departments/pget.html
Department Chair: Dirk Grupe
Other Key Personnel:

Director of Pre-Engineering and Engineering Physics: Chari Ramkumar
Director of Engineering Technology: Seyed Allameh
Department Coordinator: Jamie Fearon
Planetarium Director: Christa Speights
Lab Technicians: Mike Lehrter, Roger Miller (EGT labs)
Director of Physics: Matthew Zacate
Director of Astronomy: Nathan DeLee

Full-Time Faculty - Physics and Astronomy: Wayne Bresser, David Cain, Nathan De Lee, Sharmanthie Fernando, Scott Nutter, Chari Ramkumar, Christa Speights, Matthew Zacate

Full-Time Faculty - Geology: Nilesh Dixit, Sarah Johnson, Nivanthi Mihindukulasooriya, Rachel Thornton

Full-Time Faculty - Engineering Technology: Seyed Allameh, Morteza Sadat-Hossieny, Zeel Maheshwari, Gang Sun, Minchul Shin, Mahdi Yazdanpour

You should also know: Transfer students majoring in any of the degree programs offered by this department (physics, geology, engineering physics, or engineering technology) must complete at least 9 credit hours of the applicable discipline-specific courses for the major at NKU. A minimum of 6 credit hours of the applicable courses for any minor in the department must be completed at NKU.

Physics

Thinking about the discipline: Physics is the study of matter, energy, and their fundamental interactions. Physics laws govern the dynamics and structure of physical systems (ranging from subatomic particles to the entire universe). Applications of physics have led to the development of new technologies at all levels. The NKU physics program is a vibrant community of faculty and staff whose main objective is to prepare students for a variety of careers in physics and related areas. NKU offers physics majors as well as a pre-engineering dual-degree option. NKU also offers the physics minor. People with bachelor's degrees in physics are often hired for their problem-solving skills, and they find careers in industry, government, and education. Recent NKU physics graduates have worked for companies in telecommunication, manufacturing, engineering, and product research. About a third of NKU physics graduates continue their education after leaving NKU to become research physicists in specialized areas such as astrophysics; elementary particles and fields; nuclear physics; atomic, molecular, and optical physics; plasma physics; biophysics; chemical physics; condensed-matter physics; low-temperature physics; and others. Some physics graduates have chosen to further their education by pursing advanced degree programs in other related areas, including engineering, medicine, mathematics, and computer science. Physicists with the appropriate terminal degree can teach at the secondary or college level.

Special opportunities for our students: Undergraduate students (physics majors and other related majors) have the opportunity to participate in research with physics faculty in the department. In recent years, physics faculty have supervised student research in computational physics, material science, gravitation and relativity, astrophysics, and particle physics. The physics program has 2,700 square feet of research lab space. This includes a machine shop and six research labs: computational research lab, X-ray diffraction lab, radioisotope lab, material science lab, optical sciences lab, and particle astrophysics lab. In support of research, the physics program is equipped with a computer cluster, a Mossbauer spectrometer, vacuum systems, a modulated differential calorimeter, wide bandwidth digital and analog oscilloscopes, CAMAC data-acquisition equipment, high-speed NIM electronics, air-supported optics tables, UVNIR spectroradiometers, laser Raman spectrometer spin processor for micro-fabrication, pulsed/CW NMR spectrometer, and an X-ray diffractometer. Students are encouraged to become active members of the Physics and Pre-engineering Club, which holds special events such as telescope nights, planetarium shows, and physics demonstration shows.

Geology

Thinking about the discipline: Geology is the study of the Earth, its history, and the dynamic processes that shape the landscape. As such, geologists may be considered "stewards" or caretakers of the Earth, and they work to understand how natural processes affect our daily lives. For example, geologists provide essential information about how to avoid or minimize the consequences of geologic hazards such as earthquakes, landslides, flooding and volcanoes; the causes and impact of climate change; how to find and develop the energy and mineral resources necessary for our well-being; and how to reduce the environmental impact of our interaction with the Earth. The main objective of the NKU geology program is to prepare students for a variety of careers or graduate programs in earth science. NKU offers a B.S. and a B.A. as well as a minor in geology. Recent graduates have been hired by federal, state and regional government agencies such as the USGS, US Army Corps of Engineers, and the National Park Service, and by companies in geotechnical engineering, environmental consulting, remote sensing, ecological restoration, petroleum exploration, and mining.

Special opportunities for our students: Geology students are active with field trips that range from class field trips to the Appalachians to summer field trips to places like Colorado, Utah, and Belize. Research opportunities are available in geophysics, hydrogeology, geomorphology, engineering geology, remote sensing, environmental geology, and resource exploration. In support of research, the geology program is equipped with research lab and computational space, industry-standard equipment such as an electrical resistivity system, ground penetrating radar, refraction microtremor, unmanned aerial vehicles (UAVs), virtual and augmented reality equipment, total station surveying equipment, and hydrogeology field and lab equipment. Students are encouraged to pursue research with our faculty, and present their research at local and national meetings.

Students also have the opportunity to get involved with internships at geotechnical and environmental consulting companies, museums, and government agencies. Students are encouraged to participate in the geology club which organizes events such as hiking and caving trips, and outreach events at local schools.

You should also know: A grade of *C*- or better must be earned in all geology courses counting toward the major.

Engineering Technology

Thinking about the discipline: Engineering technology is the study and application of concepts from mathematics and natural sciences used in the implementation and extension of existing or emerging technologies. NKU offers programs leading to an ETAC-ABET-accredited Bachelor of Science degree in the field of electronics engineering technology or mechanical and manufacturing engineering technology. There are currently three engineering technology programs at NKU. There are Electrical and Electronics program (EEET), Mechatronics program (MET), and Mechanical and Manufacturing program (MEET). These programs provide the knowledge and practical skills required to gain professional employment in electronics, manufacturing, automation and controls, and mechanical systems. The engineering technology programs are supported by local industry, with whom many of our students find opportunities to use what they have learned. The opportunity for positions starts in the second year and typically leads to an offer of full-time employment. Graduates are hired as electronics engineers, product design engineers, manufacturing process engineers, quality engineers, sales engineers, etc. Career placement of engineering technology graduates from NKU is excellent.

Special opportunities for our students: Engineering technology students are required to take cooperative education ("co-op") in industry for at least one semester in a field closely related to their major. Many students participate in national engineering societies, such as the SME (Society for Manufacturing Engineers), ASQ (American Society for Quality), ASME (American Society for Mechanical Engineers), IEEE (Institute for Electrical and Electronics Engineering, and the SAE (Society of Automotive Engineers). Currently, students compete in the SAE Mini-Baja competition against many of the powerhouse engineering schools from the United States, Canada, Mexico, and other countries.

Graduates may pursue registration/licensure as a professional engineer in most states. The licensure is acquired after meeting requirements such as registration, passing the requisite tests, and a period of supervised practice.

You should also know: Transfer students majoring in engineering technology must complete at least 9 credit hours of the applicable discipline-specific courses for the major at NKU. A minimum of 6 credit hours of the applicable courses for any minor in the department must be completed at NKU.

For more information about the programs including the program objectives and student learning outcomes of EET and MMET, please see the appropriate brochures.

Engineering Physics program

Thinking about the discipline: The engineering physics program is designed for students who have an interest in both engineering and physics. The degree program consists of courses from physics, engineering technology, mathematics, computer science and chemistry as required courses. It requires 31 credit hours of physics courses, 21 credit hours of engineering technology courses as the core requirement. In addition, the students are required to choose a track either from the following three tracks: mechanical engineering technology, electronics engineering technology or mechatronics engineering technology which consists of 12 credit hours of engineering technology courses. As supporting requirements, a student will take 27 credit hours in chemistry, mathematics and computer science. Therefore, the total credit hours required for the degree is 91 credit hours (in addition to the General Studies requirements).

Other Physics, Geology, and Engineering Technology Programs

Astronomy Program

The study of astronomy is an excellent way to present scientific procedure to both science and non-science students. As one of the oldest sciences, astronomy has a rich history, yet modern astronomy carries with it the excitement of discovery and confrontation with the unknown. As a discipline, astronomy relies heavily on the contributions of other sciences, especially the physical sciences. Although a major is not currently offered in astronomy, a minor in astronomy is available. Courses in astronomy may be used to satisfy the general education requirement in natural sciences. Astronomy courses support the science requirements for education majors and may be applied toward the minor in physics. Astronomy courses numbered 300 and above may be applied toward a major in physics. Students interested in pursuing graduate work in astronomy may want to consider majoring in physics with an astronomy minor.

In support of astronomy education, NKU has a state-of-the-art digital planetarium/theatre (Haile Digital Planetarium) that serves as a classroom for university courses and as an outreach facility for P-12 children. The space is covered by a 30-foot dome-shaped projection screen and is equipped with a high-resolution digital laser projector and two high-resolution LCD projectors. Any digital image can be projected onto the dome via the laser projector, including high-quality animation and video sequences. The LCD systems serve more traditional classroom functions, projecting typical presentations, web material, and the like.

NKU planetarium staff, assisted by department faculty, have produced award-winning documentaries. Examples range from highlighting the human fascination with understanding events in the sky through the origin of the Earth-moon system to a virtual tour of a Kentucky cave. The breadth of offerings is enhanced by purchase of commercial packages as well as those produced at other planetariums. Works produced at NKU have been shared with other planetariums across the United States and around the world.

Several thousand school children attend programs in the planetarium each year and go back to their classes with new-found knowledge and excitement for science. While a major focus is on astronomy, the mission of the planetarium is interdisciplinary, presenting additional programs in geology, chemistry, biology, anthropology, and more. Due to the major public funding that made the planetarium possible, all programs are free of charge.

Department of Political Science, Criminal Justice, and Organizational Leadership

Location: Founders Hall 555
Telephone: 859-572-5321
Fax: 859-572-6184
Email Address: psc@nku.edu
Web Address:
https://inside.nku.edu/artsci/departments/pscjol.html
Department Chair: Karen Miller
Other Key Personnel:

Assistant Department Chair: Nana Arthur-Mensah
Program Coordinator for Political Science: Kimberly Weir
Program Coordinator for Criminal Justice: Alexis Miller
Program Coordinator for Criminal Justice Online: Alexis Miller
Program Director for Organizational Leadership: Jeffrey Zimmerman
Program Coordinator for Organizational Leadership: Amanda Kilmer
Program Coordinator for International Studies: Kimberly Weir
Program Coordinator for BA in Law: Karen Miller
Program Coordinator for Pre-Law: Karen Miller
Program Director for Master of Public Administration: Julie Olberding
Program Coordinator for Master of Public Administration: Missy Gish
Retention Specialist: Aprile Redden
Experiential Learning Coordinator: Rhea Floyd
Academic Coordinator: Margo Wheatley
Secretary: Samra Pilav

Full-Time Faculty: Shamima Ahmed, Nana Arthur-Mensah, Michael Baranowski, Michael Bush, Ada Cenkci, Megan Downing, Rhea Floyd, Amanda Kilmer, Danielle McDonald, Jonathan McKenzie, Alexis Miller, Marcos Misis, Melissa Moon, Julie Olberding, Aprile Redden, Shauna Reilly, Kimberly Weir, Darrin Wilson, Jeffrey Zimmerman

Thinking about the discipline: Majors in these programs prepare students for careers in government (from local to international positions), entry into the private sector, and opportunities in nonprofit organizations. This multidisciplinary department offers students a comprehensive understanding of government, politics, ethics, leadership, and bureaucracy.

Special opportunities for our students: Majors in this department have opportunities to conduct research with faculty and to enroll in independent reading courses to meet their specific or unique intellectual needs. Students have excellent opportunities to intern or co-op at different places including in Frankfort (through the FLIP program) and in Washington, D.C. (through the Washington Center Internship Program). Through its curriculum, the department regularly offers courses for the honors program and service-learning experiences for students. The department advises several student clubs including Xi Omega (political science honor society), Phi Alpha Delta (pre-law honor society), Model United Nations Club, College Democrats, College Republicans, Lambda Alpha Epsilon (American Criminal Justice Association), Alpha Phi Sigma (national criminal justice honor society, and Organizational Leadership Collaborative (organizational leadership student group).

Each year the department holds an awards ceremony to recognize students' achievements. The department regularly offers study abroad courses that students are encouraged to avail.

You should also know: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a *C-* in each course counted as part of their program. Students majoring in any of these programs are permitted to reuse no more than 1 course (3 credit hours), from the major, towards a Focus Area or 2 courses (6 hours), from the major towards the minor (where applicable). Students can also complete a bachelor's degree in criminal justice and organizational leadership in a fully online format.

Interdisciplinary Minors:

International Studies Minor
Region Studies Minor
Geographic Information Systems Certificate

Department of Psychological Science

Location: Mathematics-Education-Psychology Center 337
Telephone: 859-572-5310
Fax: 859-572-6085
Email Address: psychology@nku.edu
Web Address:
https://inside.nku.edu/artsci/departments/psychology.html
Department Chair: Cecile Marczinski
Other Key Personnel:

Assistant Chair: Kathleen O'Connor
Advisors: Rachael Clark, Kathleen O'Connor, Eli White
Department Coordinator:

Academic Secretary: Christina Knight

Full-Time Faculty: Mark Bardgett, Robin Bartlett, Kimberly Breitenbecher, Ty Brumback, Kinsey Bryant-Lees, Rachael Clark, Kathleen Fuegen, Perilou Goddard, Allyson Graf, Douglas Krull, Cecile Marczinski, Mahya Rahimian Mashhadi, Philip J. Moberg, Kathleen O'Connor, Jeffrey Smith, Kalif Vaughn, Eli White, Justin Yates

Thinking about the discipline: A degree in psychological science opens the door to one of the most challenging and rewarding professional fields today. The psychological science major is designed to provide students with flexibility in the selection of courses to meet their individual interests and career goals. Psychological science graduates have the skills and tools they need to be successful in a variety of challenging careers in mental health, business, and industry. Students will also be prepared for advanced graduate study.

Special opportunities for our students: Students may have the opportunity to conduct research with faculty and present it at international, national, or regional conferences. Honors in psychological science can be earned by students who conduct research with a faculty member and meet the academic qualifications. Students who meet the criteria can be admitted into the NKU chapter of Psi Chi, the international honor society in psychology. Any student at the university may join the Psychology Club. These organizations are for students who want to become more involved with the Department of Psychological Science and with the field of psychology in general. They offer a mix of educational, service, and social activities to enhance the academic experience of the psychological science student. The department also facilitates student participation in practicum experiences.

Honors in Psychology

The Honors in Psychology (HIP) program is designed to provide an enhanced learning experience for outstanding psychological science undergraduates. Each HIP student will collaborate with a faculty mentor to design, conduct, analyze, document, and present an original empirical study in a two-semester sequence. In the process, students should develop or refine a variety of skills that will be useful in graduate school and their future careers.

To be eligible for the HIP program, students must have (a) a declared major in psychological science; (b) a minimum of 45 earned credit hours; (c) a minimum overall GPA of 3.5; (d) at least two semesters remaining prior to graduation; and (e) a minimum grade of *B* in PSY 100, STA 205, and PSY 210. Students who are currently enrolled in PSY 210 at the time of application may be admitted provisionally to HIP, but they may not begin the HIP research project until these courses are completed with the required minimum grade in each. HIP students are not required to participate in the university honors program. However, HIP students who are enrolled in the honors program may, with the permission of the honors director, use the HIP project as an honors capstone experience. Final admission into HIP depends on students identifying a psychological science faculty mentor who agrees to work with them on their project. This agreement requires a written contract signed by the student, faculty mentor, HIP coordinator, and chair of the Department of Psychological Science, and registration for 3 credit hours in PSY 497 (Honors Project in Psychology) and HNR 490 (if the student plans to use the project in partial fulfillment of the requirements of the honors minor) for two semesters. Contact the Department of Psychological Science for more detailed information about Honors Psychology.

Special graduation requirements:

- To graduate, students majoring in psychological science must have a grade of *C*- or better in all courses applied toward certification of the major or minor, or area of focus, as well as an overall 2.00 GPA in the discipline. This includes courses listed below for tracks A and B on each of the two degree programs.
- Psychological science majors are required to participate in a standardized assessment test given by the department prior to graduating. This is in addition to the university's graduation requirements.
- Transfer students must complete at least half of their required coursework in psychological science at NKU.

MSIO Bridge Program

Undergraduate students who have completed 60 credit hours (30 at NKU) with a 3.50 GPA can reduce the 45 credit-hour requirement for the master's degree in Industrial and Organizational Psychology (MSIO) up to 12 credit hours by enrolling in one to four, 500-level courses as undergraduate electives, provided they fulfill the following:

- Complete PSY 501, PSY 550, PSY 570, or PSY 580 with a grade of B or higher.
- Subsequently enroll in the IP Psychology master's degree program.

Department of Sociology, Anthropology, and Philosophy

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Addresses:

anthropology@nku.edu
archaeology@nku.edu
philosophy@nku.edu
sociology@nku.edu

Web Address: http://nku.edu/sap
Department Chair: Augustine Frimpong-Mansoh
Other Key Personnel:

Department Coordinator: Mindy Berry

The Department of Sociology, Anthropology, and Philosophy is a multidisciplinary department that houses programs as well as several interdisciplinary minors. Ancient Civilizations Minor, Celtic Studies Minor, Culture, Society, and Health Minor, Evolutionary Studies Minor, Healthcare Ethics and Policy Minor, Native American Studies Minor, and Religious Studies Minor.

Sociology Programs

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: sociology@nku.edu
Web Address: http://nku.edu/sociology

Full-Time Faculty: Amanda Brockman, Joan Ferrante, Lynda Hillman, Nile Patterson, Kristie Vise

Thinking about the discipline: The mission of the sociology program is to provide undergraduate students with the conceptual and applied skills to understand society and how social interactions and human activities are organized and structured. Sociology offers a perspective and set of skills that develop and enhance students' abilities to observe and think critically about their own and other societies, to become more sensitive to behavioral and value differences among peoples, and to succeed in an information and knowledge economy. Sociology is also a discipline that welcomes and draws upon insights from any discipline. The sociology program mentors students to think of college as a time for engaging in experiences and developing skills that position them for success in an ever-changing labor market of career possibilities.

The program offers a major in sociology leading to the Bachelor of Science. There are six broad career areas that students of sociology may choose to enter: nonprofit, government, business, education/continuing education, graduate school, and self-employment. Students can also minor or focus in sociology.

Special opportunities for our students: Among the many experiences in which students of sociology can participate are opportunities to do co-ops and internships, engage in summer service on Native American reservations in South Dakota, engage in class projects that address social issues, participate in research studies, and publish articles and essays collaboratively with faculty.

There are several vibrant student clubs associated with the sociology program: the Sociology Club, National Sociology Honor Society, the Native American Student Organization and Kiksuya. Each year NKU's sociology program presents the outstanding student in sociology award, outstanding student in applied sociology and outstanding student.

It is possible to earn a sociology major or minor taking a combination of online and evening classes and two (for minor) or three (for major) core courses face-to-face. In addition to the major and minor, there is also a focus that consists of any four sociology courses taken at the 300/400/500 level. It is possible to complete a focus in sociology online.

You should also know: Students must earn at least a C (2.00) in the core courses, and earn a C (2.00) average in all sociology courses counting for the major or minor.

Anthropology Programs

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: anthropology@nku.edu
Web Address: http://nku.edu/anthropology
Key Personnel:

Program Director: Monica Wakefield

Archaeology Director and Laboratory Director: Sharyn Jones

Biological Anthropology Director and Laboratory Director: Monica Wakefield
Center for Applied Anthropology Director: Douglas Hume
Museum Director: Judy Voelker

Full-Time Faculty: Douglas W. Hume, Sharyn Jones, Denise Knisely, Jessica Lott, Michael J. Simonton, Judy Voelker, Monica Wakefield

Thinking about the discipline: Anthropology is the study of human beings, both biologically and culturally, in the past and present, mostly in the non-Western world , mostly through the method of fieldwork and/or labwork. It includes the subfields of cultural anthropology (study of the great variety of societies and cultures in the world today); archaeology (study of past societies and cultures); biological anthropology (study of the evolution and biological nature of humans and our primate relatives); anthropological linguistics (study of language and its relationship to culture); and applied anthropology (the use of anthropological knowledge to help solve practically oriented problems). Through these subfields, anthropology explains differences and similarities among all human groups, at all times, and in all places. In the words of the American Anthropological Association, "Only anthropology seeks to understand the whole panorama - in geographic space and evolutionary time - of human existence." To study anthropology is to explore the many avenues of what it means to be human.

NKU anthropology majors and minors are students prepared both for career opportunities upon graduation and for graduate work in anthropology. The anthropology faculty provide students with opportunities to do anthropology outside the classroom and develop résumé-worthy skills important in the job quest.

Special opportunities for our students: Among the many experiences in which anthropology majors and minors can participate are opportunities to go on archaeology digs, develop museum exhibits, conduct observations and research at the Cincinnati Zoo, do research with various peoples throughout the

state and nation, serve as research assistants to faculty, and travel to places such as Belize, Thailand, Ireland, Kenya, and Fiji.

There are several vibrant student clubs associated with the anthropology program at NKU: the SAPiens Student Society, Lambda Alpha National Anthropology Honor Society, and Tuath an Ard Tíre Ardaí: The Celtic Studies Club. Each year the anthropology program presents the outstanding student in anthropology award and the award for academic excellence in anthropology.

You should also know: Students must earn at least a *C* (2.00) in the core courses, and a *C* (2.00) average in all anthropology courses counting for the major.

Do we feel this is still in line with the current status of anthropology?

Philosophy Programs

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: philosophy@nku.edu
Web Address: http://nku.edu/philosophy

Full-Time Faculty: Gary Blahnik, Robert Brice, Augustine Frimpong-Mansoh, Terry Pence

Thinking about the discipline: Philosophy seeks answers to fundamental questions about humans, human existence, and our place in the world, such as:

- What is the nature of the good, and what is the morally rational thing to do? (Ethics)
- What is the nature of reality? Does God exist? Do we have free will? What is knowledge and what distinguishes it from mere belief and opinion? (Metaphysics and Epistemology)
- How should society be organized? What is the basis of political obligation? What is the nature and aim of law? (Politics and Law).

By engaging with such fundamental questions about the world and human experience, philosophy prepares students with conceptual and applied skills essential to pursuing a rewarding career and, more importantly, a meaningful life. These skills include: critical analysis, creative and innovative thinking, effective written and oral communication, principled ethical evaluation, problem-solving and rational-decision making. NKU offers a bachelor's degree in philosophy designed to meet the needs of students who wish to pursue any career of their choice. The study of philosophy prepares students to pursue successful careers in a variety of areas, including (but not limited to), law (and paralegal professions), education, health care, information and communication technology, ethics consulting, journalism, publishing, politics and public policy, public relations, fundraising and nonprofit work, religion and ministry, business and management, and architecture. For decades, employers have sought candidates who demonstrate a capacity for critical thinking; individuals who are capable of complex problem-solving; and people who can clearly and effectively communicate (written and orally). As it turns out, these are some of the very tools one acquires when studying philosophy. Whereas the knowledge learned in other disciplines may be displaced or made obsolete by future discoveries, the skills acquired from studying philosophy remain highly valued and sought after. Philosophy students rank among the highest in median mid-career salary. They also consistently score at or near the top on admissions tests like the LSAT and GMAT; often earn entrance to medical school at a higher rate than all other majors, including chemistry and biology; and, more generally, enjoy a well-earned reputation for clear and rigorous thinking. While the best reason to major in philosophy is because it interests you, that choice turns out to be an excellent career move, too!

Special opportunities for our students: The philosophy program at NKU is home to several exceptionally dedicated faculty with a variety of distinct academic specializations. Our faculty serves to effectively prepare students for success in a fast-growing, technology-driven world. What makes the philosophy program distinctive is that courses remain "up close and personal." These small classes help facilitate student learning through engaged participation.

There are several active and vibrant student clubs linked with the philosophy program at NKU: the SAPiens Student Society, Phi Sigma Tau national honor society in philosophy, Ethics Bowl team (which participates in regional intercollegiate competitions), Philosophers' Café (where issues of contemporary interest are raised and discussed in a public forum), Philosophy and Films Series (where feature films with philosophical themes are screened and discussed). Finally, each year NKU's philosophy program presents the outstanding senior in philosophy award to its most deserving student.

You should also know: At least 20 percent of the total required hours must be taken at NKU. Students must make a C- or better in all courses chosen to meet the core requirements.

Interdisciplinary Minors:

- Ancient Civilizations Minor
- Celtic Studies Minor
- Culture, Society, and Health Minor
- Evolutionary Studies Minor
- Healthcare Ethics and Policy Minor
- Native American Studies Minor
- Religious Studies Minor

Department of World Languages and Literatures

Location: Mathematics-Education-Psychology Center 475
Telephone: 859-572-7650
Fax: 859-572-1382
Email Address: worldlanglit@nku.edu

Web Address:
http://inside.nku.edu/artsci/departments/worldlanglit.html
Department Chair: Caryn Connelly
Department Coordinator: Felicia Share
Full-Time Faculty: Junko Agnew, Caryn Connelly, Kevin Corea, Irene Encarnación, Andrea Fieler, Hilary Landwehr, Kajsa Larson, Gisèle Loriot-Raymer, Makoto Nakamura

Thinking about the discipline: The study of another language helps us to understand and appreciate our neighbors in the world. Today, with countries increasingly independent with each other, the knowledge of other languages and cultures is more important than ever before. The study of languages can directly and indirectly provide job-related knowledge and skills that can offer a competitive edge in finding employment. Possible areas of employment include education; international business, law or journalism; social work; tourist industry (airlines, tour guides, travel agents); library and information science; immigration, customs and foreign service; and translation and interpretation.

Special opportunities for our students: The department sponsors film series and the Phi Sigma Iota Honor Society. Funding for study abroad is available through Carol's Peripatetic Scholarship and the Foreign Language Award for International Study (FLAIS).Internship and co-op experiences are encouraged. WLL 396: World Languages & Literatures Internship may be used an elective in all World Languages and Literatures major and minor programs.

Special graduation requirements: No course in which a grade below a *C-* is earned can be used to fulfill the major or minor course requirements in French, German, Japanese, or Spanish.

Program assessment: All graduating seniors with majors in French, German, Japanese, or Spanish are required to complete a portfolio assessment prior to graduation. This should be done the semester before graduating. In that semester, students must register for the 0 credit WLL 400: World Languages and Literatures Portfolio Assessment course. Proficiency in reading, writing, listening and speaking skills is assessed through the Avant STAMP test. This test is scheduled through Testing Services and taken in the Testing Services Office. Candidates for teaching certification in French, German, or Spanish must achieve a proficiency level of at least "advanced low" on an ACTFL oral proficiency interview or equivalent in order to be recommended for certification. Guidelines for the entire portfolio and for fulfillment of the ACTFL proficiency requirement can be found here:
https://inside.nku.edu/artsci/departments/worldlanglit/advising-and-resources/advising/portfolio.html

You should also know: Departmental placement and retroactive credit policies: Any courses in the 101, 102, 201, 202 sequence in a language may not be taken for credit by a student who has already received credit for the course or a higher numbered course in the same language without permission of the department chair. Initial placement in French, German, or Spanish must be in accord with departmental placement guidelines. Students with three or more years of high school language study are highly encouraged to take the free WebCAPE placement test. Retroactive credit through the World Language Incentive Program (WLIP) may be available for students who enroll in courses at a level higher than 101. Placement above or below the range specified in the guidelines requires approval of the department chair. Students whose placement does not reflect departmental guidelines may be removed from a course. The WebCAPE placement test, detailed placement guidelines and information about retroactive credit options can be found online (http://inside.nku.edu/artsci/departments/worldlanglit/placement/webcape.html).

Interdisciplinary Minors:

Chinese Studies Minor

Integrative Studies Program

List of programs
Location**:** Founders Hall 365E (Program Director), UC 210 (Advising)
Telephone**:** 859-572-1450 (Program Director), 859-572-5494 (Advising)
Fax**:** 859-572-6185
Email Address**:** ist@nku.edu
Web Address**:** http://ist.nku.edu
Program Director**:** Rudy Garns
Other Key Personnel**:**
Academic Advisor: Megan Larkin and Kyle Dorriere
Full-Time Faculty**:** Rhonda Davis, Lynda Mercer, and Nathan Singer

Thinking about the discipline**:** Integrative or interdisciplinary study is required when one moves beyond traditional disciplinary boundaries and attempts to use knowledge from *different* specialties to answer a big question or tackle a complex problem. In interdisciplinary work individuals or teams address problems or topics that sit between or overlap several disciplinary perspectives. Students acquire skills and knowledge with both breadth and depth.

Special opportunities for our students**:** Integrative Studies at NKU offers an Associate of Arts Degree in Integrative Studies (AAIS) and a Bachelor of Arts Degree in Integrative Studies (BAIS).

The Associate of Arts in Integrative Studies (AAIS) is a flexible, two-year degree ideal for students who are looking for academic accreditation either to advance their employment opportunities or as a stepping-stone toward a four-year degree. This is a 60 credit hour degree program that allows a student to take classes from different programs with some emphasis on an area of interest.

The Bachelor of Arts in Integrative Studies (BAIS) is a flexible degree that offers students a major in which they can find coherence, meaning, and value in a novel program of study. Working with an advisor students design a plan of study that addresses a complex, real-world problem that goes beyond the boundaries of traditional disciplinary programs of study. This is a

120 hour degree program that requires students to design a personalized plan of study with advanced courses from at least three different disciplinary, interdisciplinary, or professional programs.

The associate's and bachelor's degree programs for integrative studies are both available on campus and online.

Our graduates will have the ability to

- work collaboratively and productively with others who have different perspectives or worldviews;
- think critically, creatively and boldly; and
- recognize the relevance of diverse disciplinary knowledge to complex real-world issues.

Our graduates leave with a variety of skills that make them attractive employees for a large number of career possibilities. Integrative Studies students develop impressive resumes that show both bread and depth in their knowledge.

School of the Arts

Location: Fine Arts Center 253
Telephone: 859-572-5648
Email Address: albrittonm@nku.edu
Web Address: http://www.nku.edu/sota
Director: Matthew Albritton
Other Key Personnel:

Associate Director: Ronald Shaw
Budget and Programs Manager: Sandy Davis
Operations and Administrative Coordinator: Ashley Coates
Publicity and Fine Arts Manager: Rick Endres
SOTA Box Office Manager:

About the School of the Arts: The School of the Arts combines Art & Design, Dance, Music, and Theatre to bring unparalleled artistic opportunities to current and future students. Our minors come from every college on campus from Nursing to Mathematics, Political Science to Construction Management. SOTA's Prep programs, including the nationally recognized String Project, engage 900 students from children to adults annually.

Music Program

Location**:** Fine Arts Center 312
Telephone**:** 859-572-5421
Fax**:** 859-572-6076
Email Address**:** gelbwassek1@nku.edu
Web Address**:** http://www.nku.edu/music
Program Head**:** Kimberly Lazzeri
Other Key Personnel**:**

Academic Advisor: Joan Brummer
Greaves Concert Hall Coordinator:
Director of Preparatory Division: Holly Attar

Full-Time Faculty**:** Holly Attar, Katie Barton, Joy Burdette, George Carpten IV, Amy Gillingham Culligan, William Herzog, Kimberly Lazzeri, William Hogg, Kurt Sander, Louis Setzer, Ashley Shepherd, E. Danielle Todd, Richard Van Dyke, Jason Vest, Leanne Wood, John Zappa

Thinking about the discipline**:** Students with degrees in music have a wide range of opportunities available in the workforce as public or private school teachers, independent studio educators, liturgical music directors, composers, producers, conductors, and performers. Other opportunities also exist in arts administration, marketing, or promotion. Some students opt to continue their studies at the graduate level for careers as university professors, researchers, and nonprofit administrators.

Special opportunities for our students**:** Music students are offered a variety of special opportunities tied to groups and opportunities beyond the campus borders.

National Association for Music Education: The mission of the National Association for Music Education is to advance music education by encouraging the study and making of music by all. Students can join NAfME to acquire a connection to the professional world of music education and to gain an increased understanding of the role of NAfME in the field of music teaching.

Phi Mu Alpha Sinfonia: The primary purpose of this fraternity is to encourage and promote the highest standards of creativity, performance, education, and research in music in America. Membership is open to any male student in good academic standing or faculty/staff member at NKU who works to advance the cause of music in America.

Sigma Alpha Iota: Sigma Alpha Iota is an international fraternity for women in music. Members include undergraduates and graduates in music, alumnae, professional musicians, and outstanding music patrons. In addition to personal encouragement and support, members may receive scholarships, loans, and awards in many areas and at all levels of music-related study.

Tonality - a cappella: Students come together to create a cappella covers of popular songs. They create the music, practice parts, and prepare to perform around campus and in the community. This is a unique opportunity for those who have a passion for singing and music. This group is open to all students but is audition-based. This is perfect for students who come from a singing background and are looking for a way to continue singing in college, even if they are not music majors.

ASTA (American String Teachers Association): To promote a greater interest and participation in string and orchestra playing at the elementary, middle, high school and collegiate levels. To promote the highest standards in string and orchestra playing, teaching and string and orchestra teacher education. To provide additional opportunities for community involvement in string and orchestra playing.

CNAFME (National Association for Music Education-Collegiate Chapter): We are an organization devoted to the professional

development of students who are pursuing music education degrees. We are affiliated with the national organization NAfME, which is the most renowned organization of music educators across the nation. We attend conferences throughout the school year, including KMEA (Kentucky Music Educators Association) and/or OMEA (Ohio Music Educators Association).

Special admission requirements**:** Any student wishing to declare a major or minor in music must complete a successful entrance audition in their major applied area to be accepted into the Music Program.

Entering freshmen and transfer students are required to take placement examinations in music theory and piano. Transfer students must also take a music history examination if deemed appropriate by the program head.

Information regarding auditions and placement tests may be found on the web (http://www.nku.edu/music).

You should also know**:**

Academic standards: Candidates for degrees in music are required to receive a grade of *C* (not *C*-) or better in all music courses applied toward the major or minor and to maintain a GPA of 2.50 in music courses.

Applied music requirements: Individual instruction for qualified students is available. Music Majors are required to take a one hour weekly lesson (2 credits). Private lessons are provided weekly for a half-hour or one hour. Students studying privately may earn 1 or 2 credit hours. The number of credit hours is determined by the length of the lesson (one-half hour = 1 semester hour; one hour = 2 credit hours). Students may be assigned to applied lesson instructors by area coordinator or program head. Students who have not passed their Sophomore Comprehensive Jury may not register for 300- or 400-level applied courses. Requests for a specific instructor will be honored when possible.

Applied music instruction: Individual instruction for qualified students is available. Music Majors are required to take a one hour weekly lesson (2 credits). Private lessons are provided weekly for a half-hour or one hour. Students studying privately may earn 1 or 2 credit hours. The number of credit hours is determined by the length of the lesson (one-half hour = 1 semester hour; one hour = 2 credit hours). Students may be assigned to applied lesson instructors by area coordinator or program head. Students who have not passed their Sophomore Comprehensive Jury may not register for 300- or 400-level applied courses. Requests for a specific instructor will be honored when possible.

Per-semester fees: For applied music and composition, the semester fee is $186 for a half-hour lesson per week and $373 for a one-hour lesson per week. A $55 accompanying fee is also assessed for all students to help cover program expenses including staff accompanists, instrument maintenance, and other costs associated with applied lessons.

Performance organizations: Membership in performance organizations is open to all qualified NKU students. Ensembles include Northern Chorale, Chamber Choir, University Concert Band, Symphonic Winds, Jazz Ensemble, Pep Band, NKU Philharmonic, Percussion Ensemble, and Steel Drum Band, Women's Ensemble, and Low Voice Choir. Opportunities for performance in chamber ensembles and the opera workshop are also available. Interested students should call the music office to arrange an audition. Large-ensemble requirements pertaining to curricula for music majors are satisfied only by Symphonic Winds, University Concert Band, Northern Chorale, Chamber Choir, and NKU Philharmonic. MUSE 308 Jazz Ensemble fulfills Large-ensemble requirement for Jazz Majors only.

Recital attendance requirement: All students majoring in music, unless excused by the Program Head, must successfully complete 7 semesters of MUSM 109 Recital Review (0 credits). Requirements for this course are satisfied by certified attendance at recitals approved and required by the course syllabus; grading is pass/fail.

Recital performance: Students majoring in music performance must perform two major recitals, a junior (half) recital and a senior (full) recital. Students majoring in music education perform a junior recital prior to graduation. Students preparing junior and senior recitals must pass a recital jury audition at least one month prior to public performance. Students majoring in music composition must prepare a junior recital consisting of at least 30 minutes of their own music. Students majoring in music education must perform a junior recital prior to their clinical experience semester. Guidelines for the preparation and scheduling of recitals are available from the music office.

Scholarships: Music scholarships are awarded to students who have made outstanding accomplishments or evidence significant potential. Students should contact the music office for audition dates. Applied music juries at the end of fall semester serve as an evaluation and re-audition for continuing scholarship students.

Advising: All students majoring or minoring in music will be advised by the program advisor. Students are urged to work in consultation with the advisor in order to ensure proper selection and sequencing of courses.

Special instructional programs: The Preparatory Division offers private instruction in many instruments and voice to students below college age, university students who are not majoring or minoring in music, and adult students. Interested students should contact the music office prior to the start of each semester or summer school for information.

All degrees and certificates offered by the Music Program are fully accredited by the National Association of Schools of Music.

Majors:

Bachelor of Music in Performance B.M.
- Instrumental Track
- Jazz Studies Track
- Piano Pedagogy Track

Vocal Track
Bachelor of Music in Composition B.M.
Commercial/Audio Production Track
Traditional Track
Bachelor of Music Education B.M.E.
Choral
Instrumental
Bachelor of Arts in Music B.A.
Liberal Studies

Minor:

Music Minor
Audio Production Minor

Theatre and Dance Program

Location: Fine Arts Center 205
Telephone: 859-572-6362
Fax: 859-572-6057
Email Addresses:

Dance - dance@nku.edu
Theatre - theatre@nku.edu
SOTA Box Office - boxoffice@nku.edu

Web Address: http://www.nku.edu/theatre
Program Head: Michael Hatton
Other Key Personnel:

Retention Specialist: Nicole Perrone
Retention Specialist: Crhistopher Ryan
Technical Director: Rob Kerby
Scene Shop Foreman: Kevin Havlin
Costume Shop Manager: Catherine Schmeal

Full-Time Faculty: Ronnie Chamberlain, Corrie Danieley, Todd Edwards, Daryl L. Harris, Michael W. Hatton, Kenneth Jones, Robert Kerby, Nicole Perrone, Jo Sandburg, Catherine Schmeal, Damon Stevens, Jamey Strawn

Thinking about the discipline: The NKU Theatre and Dance Program is a student-centered program whose focus is on undergraduate training. The program offers a variety of degrees that will suit each student's unique career goals. In addition, the program provides a variety of performance and production experiences that will train students to successfully enter a theatre profession.

Students who have graduated from the program are currently at work in Broadway shows, national tours, regional theatres, cruise ships, Disney productions, Cirque du Soleil, television, and feature films. Students have also found success in careers outside of theatre and are working in K-12 education, law careers, business, marketing, and others.

The skills learned with a degree in theatre and dance help students maximize careers in which interaction with the public is necessary.

Special opportunities for our students: NKU offers students the opportunity to establish internships with several local professional theatre and performing arts groups as well as I.A.T.S.E. (stagehand union Local 5).

The NKU Theatre and Dance Program offers scholarships to students based on auditions as well as GPA:

Incoming student scholarships - The Theatre and Dance Program endeavors first and foremost to recruit gifted students into the program. In early December, faculty audition high school seniors and transfer students and then rank them according to four major criteria: talent, academic achievement, growth potential, and likely contributions to the program. Scholarships for top candidates may become available at any time through the following December. The faculty present awards to alternate list candidates or to qualified students already enrolled at any level with an overall 2.75 GPA.

Currently enrolled student scholarships - To be considered for a scholarship, currently enrolled students with an overall 2.75 GPA must maintain good academic standing as detailed below, high visibility in the production program, and consistent contributions to program activities. To apply, complete the online application.

The Theatre and Dance Program offers performance opportunities for NKU students with a full season of theatrical productions including musicals, dance, dramas, comedies, and classical plays. Auditions for these productions are open to any student enrolled at NKU. The Theatre and Dance program is dedicated to creating professional-quality theatrical productions to help students build confidence, strengthen résumés, and prepare for careers after graduation. While some graduates may go on to careers in performance areas, others may use the skills they developed through performance to pursue jobs not directly related to the performing arts.

The program also sponsors a number of campus/community/recruitment outreach programs. The Dance Ensemble, the Comedy Improv Troupe, and the freshman-only Broadway Chorus Tour Troupe may be taken for up to 6 credit hours. Tour troupes hold auditions as a condition of acceptance into a troupe. Tour troupe members must commit to a one-year term or arrange a special one-semester commitment with the supervising faculty member. A particular troupe might not operate in every academic year.

Special admission requirements: Bachelor of Fine Arts candidates must maintain a 3.0 GPA in theatre and dance coursework as well as an overall 2.75 GPA for all NKU coursework. Students falling below the required GPA will go on probation for one semester. Students on probation must achieve the required GPA minimums in order to be removed from probation. Failure to achieve the minimum GPA will result in the student being removed from the B.F.A. program.

B.F.A. students receiving a grade of *D* or *F* in theatre and dance B.F.A. courses will be removed from the B.F.A. program. Students

removed for a *D* can petition the B.F.A. review committee to retake the course and re-enter the B.F.A. program. (This appeal should be made within 30 days from receiving the *D*.) Students removed for an *F* cannot re-enter the B.F.A. program for any reason.

Majors:

- Theatre Design, Technology or Stage Management, B.F.A.
  - Design/Technology Track
  - Stage Management Track
- Theatre Performance, B.F.A.
  - Acting Track
  - Dance Pedagogy Track
  - Dance Performance Track
  - Musical Theatre Track
  - Playwriting Track
- Theatre, B.A.

Minors:

- Dance Minor
- Theatre Minor

Art & Design Program

Location: Fine Arts Center 312
Telephone: 859-572-5421
Fax: 859-572-6501
Email Address: mccombsr1@nku.edu
Web Address: http://www.nku.edu/art
Program Head: Brad McCombs
Other Key Personnel:

Retention Specialist/Academic Advisor: Candice van Loveren Geis
Academic Advisor: Courtney Mcmanus
Gallery Coordinator: Sso-Rha King
Sculpture/Ceramics Building Coordinator: Ben Huber

Full-Time Faculty: Kimberly Allen-Kattus, Nicholas Bonner, Rachael Banks, Maren Carpenter-Fearing, JeeEun Lee, Marc Leone, Julie Mader-Meersman, Brad McCombs, Courtney McManus, Kevin Muente, John Matt Overwine, Randel Plowman, Hans Schellhas,Gary Sczerbaniewicz, Julia Sebastian, Candice van Loveren Geis

Thinking about the discipline: Innovation, critical thinking, and a dynamic curriculum cultivate students for transformative futures. The Art & Deisgn Program strives to elevate the whole individual helping students realize their creative power, so they can live their unbound potential. Students wishing to pursue a career in the arts can select a degree or track from visual communication design, animation, art education, art history, drawing, new media art, painting, photography, pre-art therapy and spatial arts (sculpture, ceramics) or pursue a more generalized degree through a studio arts in BA. The Art & Design faculty are committed to foster creative growth and assist students in making informed decisions about their majors and career plans during their undergraduate years.

Many of our graduates are professional artists, designers, and arts educators with successful careers in a wide variety of art-related fields and world-renowned design firms. Other graduates successfully apply creativity and critical thinking learned in visual arts degrees to a broad spectrum of careers in non-art related fields.

Special opportunities for our students: The Art & Design program offers a variety of programs and educational enrichment experiences including: discipline-based art clubs such as the Art History Club, Sculpture and Ceramics Society, Next Generation Artists, The Design Guild, New Media Art Collective and student chapters of the American Institute of Graphic Art and the National Art Education Association. Numerous study-abroad opportunities, scholarships, internships, and professional exhibition opportunities are available and can be found on the program website.

Majors:

- Art and Design, B.A.
  - Art & Design, B.A.
  - Art Education Track
  - Art History Track
  - Studio Arts Track
  - Pre-Art Therapy Track
  - Visual Communication Design Track
- Art & Design, B.F.A
  - Animation Track
  - Art History Track
  - Drawing Track
  - Integrative Media Track
  - Painting Track
  - Photography Track
  - New Media Art Track
  - Spatial Arts Track
  - Visual Communication Design Track
- Art & Design, B.S.
  - Photography Track
- Visual Communication Design, B.A.
- Visual Communication Design, B.F.A.

Minors:

- Art History Minor
- Photography Minor
- Spatial Arts Minor
- Studio Arts Minor

Haile College of Business

Location: Business Academic Center 305
Telephone: 859-572-5165
Email Address: cob@nku.edu
Web Address: http://cob.nku.edu
Dean: Hassan Hassabelnaby
Other Key Personnel:

Associate Dean, Undergraduate Programs: Sean Foley
Associate Dean, Graduate Programs: Abdullah Al-Bahrani
Assistant Dean: Eileen Weisenbach Keller
Business Officer: Beth Lackey
Director of Development: Elizabeth Berk
Senior Coordinator, Operations: Beth Kidwell
Administrative Assistant: Sally Allen

The Haile College of Business is a vibrant academic community of faculty and staff dedicated to delivering globally relevant and innovative academic programs that prepare our graduates for successful careers as effective and ethical business leaders. We're developing tomorrow's leaders with a comprehensive, rigorous curriculum providing learning opportunities spanning sophisticated analytical to "people" skills that are valued by all organizations from business to not-for-profits.

Our faculty produces a strong mix of research contributions, focusing on discipline-based, pedagogical, and applied scholarship and connecting our students with that scholarship in our classrooms. We encourage our students to join us in meaningful and impactful professional engagement with the business community through experiential projects for external clients and high quality internship opportunities. We emphasize the development of a global mindset by faculty, staff, and students through our active international programs and study abroad opportunities. We value broad-based participation by our faculty, staff, and students in public engagement activities that foster altruism and civic-mindedness.

At the undergraduate level, the College offers the Bachelor of Science in Business Administration (B.S.B.A.) degree with ten alternative majors (accounting, entrepreneurship, finance, general business, global supply chain management, human resources management, international business, management, marketing, and sports business and event management), as well as Bachelor of Science (B.S.) degree programs in construction management and economics. The College is also home to three graduate professional degree programs.

All of our B.S.B.A. and graduate programs are accredited by AACSB-International - The Association to Advance Collegiate Schools of Business, a high distinction earned by fewer than five percent of the more than 16,000 business schools worldwide. Our AACSB accreditation makes our students eligible for membership in Beta Gamma Sigma, the world's premier collegiate business honor society. Our construction management program is accredited by the American Council for Construction Education (ACCE), a distinction earned by less than a third of all construction management programs in the US.

Center for Student Excellence

Location: Business Academic Center 206
Telephone: 859-572-6134
Web Address: https://www.nku.edu/academics/cob/CenterforStudentExcellence.html
Assistant Dean: Eileen Weisenbach Keller

The Center for Student Excellence provides academic advising, student professional development, employer relations, internships, and career planning assistance for all students with undergraduate majors and minors in the Haile College of Business.

Accreditations

All business programs are accredited by AACSB - International, the Association to Advance Collegiate Schools of Business.

The Construction Management program is accredited by the American Council for Construction Education (ACCE).

Centers

Alternative Dispute Resolution Center

Location: Business Academic Center 355
Telephone: 859-572-7571
Email Address: carnesk2@nku.edu
Web Address: http://adr.nku.edu
Director: Kathleen A. Carnes

The primary mission of the Center is to promote the peaceful, effective resolution of disputes in the under-served markets and the public section of the region, as well as public entities and other parties that request services. The ADR Center will utilize the expertise and experience of NKU faculty and ADR Center Board members to provide this important public service through the use of negotiation, mediation, and arbitration processes which will extend to classes, training programs, and professional conferences. The Center strives to involve students directly and indirectly through their participation in one of the largest-labor management conferences in the U.S. hosted by the ADR Center and in courses that focus on conflict resolution, human resource management, and labor relations.

Center for Economic Analysis and Development

Location: Business Academic Center 396
Telephone: 859-392-2413
Email Address: harrahj1@nku.edu
Web Address: http://cead.nku.edu
Senior Director: Janet Harrah

The Center for Economic Analysis and Development (CEAD) engages in applied business and economic research. It collects, analyzes, and disseminates information on demographic and economic conditions in the region. Other research includes population forecasts; cost-benefit studies; regional economic and industry forecasts; fiscal impact analysis; etc. CEAD's mission is to conduct high-quality, objective research on issues related to the region's current and future economic well being.

Center for Economic Education

Location: Business Academic Center 340
Telephone: 859-572-5799
Email Address: albahrania1@nku.edu
Web Address: http://cee.nku.edu
Director: Abdullah Al-Bahrani

The goal of the Center for Economic Education is to improve the quality and quantity of economic and financial literacy in the community. Our primary focus is to help educators at all levels improve their instruction of economics and personal finance topics. The Center also focuses on outreach efforts to help increase financial literacy for the general community with a special interest in Low-Income and Minority population. This is accomplished by conducting professional development and graduate programs for teachers, consulting with individuals and schools on curriculum development, providing resources to schools and individuals, offering programs and camps for youth, and conducting workshops and professional development programs for adults. The Center serves as a resource and partner to the university community in offering and promoting financial literacy and supports the university outreach efforts. The NKU center is an integral part of a statewide network of centers with the Kentucky Council on Economic Education and is affiliated with the Council for Economic Education.

Center for Innovation and Entrepreneurship

Location: Business Academic Center 350
Telephone: 859-572-5931
Email: stroblz1@nku.edu & varronej@nku.edu
Web Address: http://nku.edu/cie
Director: David Schneider

The Center for Innovation and Entrepreneurship at NKU is a driver of educational and professional development opportunities to all NKU students. The center has a **transdisciplinary** focus and seeks to advance the university's strategy by fostering cross-campus applied learning and embedding innovative thinking more deeply in the university culture. The center is built on the belief that students from the arts and sciences, engineering, nursing, business, informatics, and law can all learn from one another how to become more well-rounded innovative and creative thinkers. The center fosters opportunities for this **transdisciplinary** applied learning to occur. We design our programs to **ignite** passion for an entrepreneurial mindset, **fuel** desires by providing students with the resources and education to make their dreams a reality, and **fan** the spirit and culture of innovation and entrepreneurship across campus and the region.

Marketing Research Partnership Program

Location: Business Academic Center 312
Telephone: 859-572-6409
Email Address: levina@nku.edu
Web Address: http://mrpp.nku.edu
Director: Aron Levin

The mission of the Marketing Research Partnership Program (MRPP) is to educate undergraduate students in how to perform effectively and ethically as professionals who use or supply marketing research. We also seek to create excitement and provide opportunities for students to learn from market research professionals in the Greater Cincinnati area. Students in the MRPP interact with and network with the MRPP's corporate partners, which are composed of some of the world's most successful marketing research supplier companies. In addition, via service-learning courses, our students provide marketing research consultation services to nonprofits and small businesses in the region.

Center for Family Enterprise and Small Business

Location: Business Academic Center 368
Telephone: 859-448-8801
Email Address: parksd5@nku.edu
Web Address:
https://www.nku.edu/academics/cob/centers/cfesb.html
Director: Dawn Parks

The NKU SBDC provides unparalleled consulting and training services that help existing business owners and potential entrepreneurs succeed. Our services include: one-on-one, no cost management consultations, training workshops, market research, loan packaging help, assistance with financial projections and information needed to make informed business decisions.

Department of Accounting, Economics, and Finance

Location: Business Academic Center 375
Telephone: 859-572-6526
Email Address: AEF@nku.edu
Web Address:
http://www.nku.edu/academics/cob/programs/departments/accounting-businesslaw.html
Department Chair: Lee Kersting
Department Coordinator: Megan Mahoney

Full-Time Faculty: Danna Abu-Rashed, Abdullah Al-Bahrani, Usamah Alfarhan, Kathleen Carnes, Teressa Elliott, Linda Dynan, Darius Fatemi, Ed Fenton, Alfred Greenfield, J Human, Lee Kersting, J.C. Kim, Young Kim, Nancy Lang, Erin Masters, Sharif Mazumder, Catherine Neal, Trung Nguyen, Vincent Owhoso, Hardik Patel, Robert Russ, Amal Said, Robert Salyer, Phil Slater, Qing Su

Department of Management

Location: Business Academic Center 392
Telephone: 859-572-6582
Email Address: management@nku.edu
Web Address:
http://www.nku.edu/academics/cob/programs/departments/management.html
Department Chair: Stephanie Hughes
Department Coordinator: Teresa Huddleston

Full-Time Faculty: Cristiane Biazzin, William Boyce, Carole Cangioni, Michael Carrell, Bulent Erenay, Sima Fortsch, Richard Gilson, David Harrison, Stephanie Holt, Stephanie Hughes, Jing Liu, Denise Luethge, Lou Manchise, Yohann Mauger, Jacob McCartney,

Dekuwmi Mornah, Jaclyn Perrmann-Graham, Stephen Roush, Sandra Spataro, Zachary Strobl, Mark Thackeray, Jeffery Varrone

Department of Marketing, Sports Business, and Construction Management

Location: Business Academic Center 376
Telephone: 859-572-6582
Email Address: MSBCM@nku.edu
Web Address: http://www.nku.edu/academics/cob/programs/departments/msbcm.html
Department Chair: Joe Cobbs
Department Coordinator: Teresa Huddleston

Full-Time Faculty: Joe Cobbs, Majed Dabdoub, Anh Dang, Sean Foley, Jennifer Gardner, Shanda Harris, Chip Heath, Aron Levin, Banwari Mittal, Bridget Nichols, David Raska, Kimberly Roush, Ihab Saad, Joes Saavedra Torres, Eileen Weisenbach Keller

College of Education

Location: Mathematics-Education-Psychology Center 206
Telephone: 859-572-6069
Fax: 859-572-6623
Email Address: coesdean@nku.edu
Web Address: https://www.nku.edu/academics/coe.html
Dean: Dr. Ginni Fair
Other Key Personnel:

Interim Associate Dean: Ginger Blackwell
Department Chair, Department of Teacher Preparation and Educational Studies: Dr. Eileen Shanahan
Department Chair, Department of Educational Leadership and Advanced Studies: Dr. Jim Allen

Welcome to the College of Education. Our talented faculty and staff ensure that our programs have rigor, relevance, and sustainability of the highest caliber, and we pride ourselves on the quality of relationships we create and foster with students and colleagues alike. The collaborative effort of all of our partners increases the impact of our college across the region and beyond.

The College of Education is an outstanding place for students, faculty, staff, alumni, and community partners to learn, teach, and work together. We are delighted that you have discovered us - and we invite you to explore the educational and experiential riches associated with our programs and exceptional faculty and staff.

College Advising Center

Location: Mathematics-Education-Psychology Center 230
Telephone: 859-572-6944
Web Address: https://www.nku.edu/academics/coe/advising.html
Director: Anna Stryker
Advisors:

Josh Brittingham
Patsy Fisk
Maren Harris

Staff:

Advisors in the COE Advising Center provide assistance and academic advising to students majoring in one of the college's undergraduate programs. Students in the College of Education are assigned an advisor based on their major and last name. To schedule an appointment with an advisor, students should click on the advising appointment link (https://www.nku.edu/academics/coe/advising/appointment.html).

Accreditations

The education/school counseling/educational leadership programs are accredited by CAEP (Council for the Accreditation of Educator Preparation). The special education program is nationally recognized by the Council for Exceptional Children.

Centers and Institutes

Center for Environmental Education

Location: Mathematics-Education-Psychology Center 160
Telephone: 859-572-5239
Email Address: enved@nku.edu
Web Address: https://www.nku.edu/academics/coe/centers/enved.html

The Center for Environmental Education is an NKU center within the Department of Teacher Preparation and Educational Studies in the College of Education. As such, it provides both formal and informal learning experiences for pre-service, in-service, formal, and informal educators. Formal learning experiences include a variety of undergraduate- and graduate-level environmental education courses, micro-credentials, and endorsement program for licensed teachers. Informal learning experiences include professional development workshops, P-12 outreach, university partnerships, and community events to promote environmental stewardship. NKU undergraduate students are involved with the work of the CEE via internships, undergraduate research, teaching experiences, and lesson development. The CEE is part of the Kentucky University Partnership for Environmental Education (KUPEE) collaborative, and works collectively to promote environmental literacy across Kentucky. The CEE works with area teachers to provide hands-on experiences, curriculum resources, and materials to enhance their environmental education experience.

Center for Educator Excellence

Location: Mathematics-Education-Psychology Center 268
Telephone: 859-572-6126
Email Address: rungesa@nku.edu

The mission of the Center for Educator Excellence is to foster collaboration in the Northern Kentucky region to recruit, support, and retain highly qualified educators who will meet or exceed national standards as they prepare all children to be productive participants in the global, knowledge-based economy.

Institute for Talent Development and Gifted Studies

Location: Mathematics-Education-Psychology Center 282
Telephone: 859-572-6685
Email Address: gifted@nku.edu
Web Address:
https://www.nku.edu/academics/coe/centers/enved.html

The mission of the Institute is to be internationally recognized as the standard bearer of talent development and gifted education. The Institute shares Northern Kentucky University's three-part mission of teaching, scholarship, and public engagement by being a comprehensive and valued resource for students, teachers, and parents in the regional community; innovating educational technology best practices that support the precocious abilities of gifted and talented children; conducting rigorously applied research on topics relevant and useful to gifted and talented students, educators, and parents. The Institute strives to develop collaborative, meaningful partnerships with businesses, community agencies, and educational institutions in support of high potential and gifted youth. The Institute offers the following programs and services: Camp Innovation Pathways to College; Young Women Lead; Dreamfest Conference; and Graduate Gifted and Talented Endorsement and Micro-Credential Courses.

Teacher Preparation & Educational Studies

Location: Mathematics-Education-Psychology Center 251
Telephone: 859-572-1957
Fax: 859-572-6096
Email Address: TeacherEducation@nku.edu
Web Address: https://www.nku.edu/academics/coe.html
Department Chair: Eileen Shanahan
Other Key Personnel:

Academic Coordinator: Sarah Hellman
Director of Experiential Education and Clinical Placements: Joetta Browning
Academic Specialist: Claudia Johnson

Full-Time Faculty: Ryan Alverson, Amy Bacevich, David Childs, Michael DiCicco, Shannon Eastep, Shawn Faulkner, Funda Gonulates, Susan Griebling, John Huss, Sarah Kasten, Bianca Prather-Jones, Sara Runge, Tammie Sherry, Lynne Smith, Annie Welch, Kimberly Yates

Thinking about the discipline: *The Department of Teacher Preparation and Educational Studies offers teacher certification or NON-CERTIFICATION majors. Specific requirements for NON-CERTIFICATION major is provided at the Program level. To become a teacher with Kentucky certification, preparation is required in four areas:

- A broad, comprehensive background in the liberal arts.
- Training in pedagogy through a sequence of professional courses.
- Extensive field and clinical experiences provided by the university in cooperation with local school systems.
- In-depth preparation in the content area(s) leading to certification.

Initial certification of all new teachers requires successful completion of appropriate PRAXIS examinations prior to certification and completion of an internship program. The PRAXIS examinations are administered by the Educational Testing Service, and internship components are administered by the Kentucky Education Professional Standards Board. Neither the PRAXIS examinations nor the internship are considered part of the NKU teacher education program. Upon successful completion of the required PRAXIS examinations, students must complete a CA-1 form and submit it to the College of Education's certification officer. The certification officer will submit the form to the Education Professional Standards Board.

Students who plan to teach in other states should work closely with the teacher education certification officer in Mathematics-Education-Psychology Center 230 to determine the requirements in those states with reference to reciprocity.

Changes may be made in the teacher education programs to meet state certification requirements. Students must obtain the current program requirements from the advising office. The advising process is particularly crucial for teacher education students. It is suggested that freshmen or other interested students declare a pre-major in a teacher education field, which allows the student to be assigned a teacher education advisor.

Special opportunities for our students: Students pursuing a major in teacher education have several opportunities and resources available to them. Many students enjoy participating in one of several education-related student organizations including Black & Brown Educators of Excellence, Collegiate Middle Level Association, Early Childhood Education Club, and Student Council for Exceptional Children. In addition, students interested in exploring a study-abroad opportunity may consider the honors program or international clinical experience.

Multiple scholarships and awards are available to teacher education students. Details are available on the College of Education website.

Special admission requirements: Students who wish to major in one of the education disciplines must apply for admission to the teacher education program. This is a two-step process.

First step: Admissions field experience

To apply for the admissions field experience (EDU 303, EDU 307, EDU 309, or EDU 311), a student must have:

- Successfully completed an FBI background check.
- Successfully completed "EDU 104 Orientation: Education Profession/Program (1 credit)" with a grade of *C*.
- Attained a GPA of at least 2.75 on a 4.00 scale, or GPA of 3.0 on last 30 credit hours.
- Earned a minimum of 45 credit hours of coursework.
- Completed the required application for admission.
- Demonstrated General Knowledge Assessment by successfully completing one of the following:
  - The ACT with a composite score of 22 or the corresponding minimum scores:
    - Reading - 20
    - English - 18
    - Math - 19
  - The PRAXIS Core Academic Skills for Educators (CASE) with the corresponding minimum scores:
    - CASE Reading (5713) - 156
    - CASE Writing (5723) - 162
    - CASE Mathematics (5733) - 150
  - An applicant may use a combination of ACT and CASE minimum scores to meet the requirements above.
  - If an applicant has a minimum cumulative GPA of 3.0 on a 4.0 scale, the Educator Preparation Provider may admit the applicant to an approved undergraduate initial certification educator preparation program if the applicant is within five points of one or more of the corresponding minimum scores on the CASE assessment only.

Second step: Admission to the teacher education program

To be admitted to the teacher education program a student must have:

- Earned 60 credit hours of coursework.
- Attained a cumulative GPA of at least 2.75 on a 4.00 scale, or GPA of 3.0 on last 30 credit hours.
- Achieved at least a *B* in "ENG 102 Writing and Research - WC (3 credits)" or equivalent.
- Achieved at least a *B* in "CMST 101 Public Speaking - OC (3 credits)" or equivalent.
- Achieved at least a *C* in each of the following: "EDU 300 Human Growth and Development (3 credits)," "EDU 305 Introduction to Education (2 credits)," "EDU 313 Instructional Technology (3 credits)," and "EDS 360 Students with Exceptionalities in School (3 credits)."
- Achieved a *P* in the admissions field experience (EDU 303, EDU 307, EDU 309, or EDU 311).
- Signed a curriculum contract.
- Received approval from the Teacher Education Committee.
- Presented an approved portfolio from the admissions field experience.
- Demonstrated the skills of communication, creativity, critical thinking, and collaboration as required by state regulation. These may be demonstrated in the following manner:
  - Communication: Completion of CMST 101 or ENG 102 with a grade of *B* or better.
  - Creativity: Completion of any course under "culture and creativity: arts and humanities" with a grade of *C* or better.
  - Critical Thinking: Completion of any course under "scientific and quantitative inquiry: natural science or mathematics and statistics" or any course from "self and society: individual and society" with a grade of *C* or better.
  - Collaboration: Completion of the admissions field experience with a grade of *P*.

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:

- Overall GPA of 2.75.
- Pedagogy (EDU and EDS courses) GPA of 2.75.
- Content course GPA of 2.75.
- NKU coursework GPA of 2.75.
- Minimum grade of *C* (not *C*-) in all education (EDS / EDU) courses.

College of Health and Human Services

Location: Health Innovation Center - FH455A
Telephone: 859-572-5248
Fax: 859-572-1934
Email Address: healthprofessions@nku.edu
Web Address: nku.edu/hhs
Interim Dean: Gannon Tagher
Other Key Personnel:

- Associate Dean: Vanessa Hunn
- Assistant Dean: Christian Gamm
- Director of School of Nursing: Kim Dinsey-Read
- Director of School of Allied Health: Trina Cossin
- Director of School of Kinesiology, Counseling and Rehabilitative Sciences: Alar Lipping
- Director of School of Social Work: Caroline Macke
- Director of Center for Simulation Education: Gina Fieler
- Assistant to the Dean: Maureen Krebs
- Business Officer: Nannette Freadreacea
- Director of Advising: Cathleen Wolff

The College of Health & Human Services is dedicated to providing quality educational programs for students wishing to enter a broad range of health professions. Academic programs in the college provide the Northern Kentucky/Greater Cincinnati service area with educational offerings that emphasize population health and the prevention of acute and chronic injury and disease. The college prides itself on being an institutional leader in offering online programs to current and prospective students. Residing in the Health Innovation Center, the college houses a state-of-the-art simulation center that enhances the clinical experience for students majoring in CHHS programs including nursing, respiratory care, radiologic science, radiation therapy, cardiovascular perfusion, occupational therapy, exercise science, athletic training, and social work. College goals are furthered through a spirit of collaboration with regional health partners and the scholarly activities performed by faculty and students.

Accreditations

CHHS Center for Simulation Education:

The NKU CHHS Simulation Center is accredited by the Society for Simulation in Healthcare.

Society for Simulation in Healthcare (SSH)
2021 L Street, NW Suite 400
Washington, DC 20036
Phone: 866-730-6127
Email: https://www.ssih.org/

The School of Allied Health:

The NKU Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

CoARC, Commission for Accreditation on Respiratory Care
264 Precision Blvd.
Telford, TN 37690
Phone 817-283-2835
Fax to Paper 817-354-8519
Fax to Email 817-510-1063
Email: https://coarc.com/

The NKU Radiologic Science Program and the Radiation Therapy program are accredited by Joint Review Committee on Education in Radiologic Technology (JRCERT).
JRCERT, Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-3182
Phone 312-707-5300
Fax 312-704-5304
Email: mail@jrcert.org

The School of Kinesiology, Counseling and Rehabilitative Sciences:

The NKU Health and Physical Education program is accredited by the Council for Accreditation of Education Preparation. The NKU Bachelor of Arts in Physical Education (non-certification).
CAEP, Council for the Accreditation of Educator Preparation
1140 19th St. NW, Suite 400
Washington DC 20036
Phone: 202-223-0077
Email: http://caepnet.org/

The School of Nursing

The School of Nursing master's, post-master's and RN-BSN programs are accredited by the Commission on Collegiate Nursing Education (CCNE).
CCNE, Commission on Collegiate Nursing Education
655 K Street, NW, Suite 750
Washington, DC 20001
Phone 202-887-6791
Fax 202-887-8476
Website www.aacnnursing.org/CCNE.

The pre-licensure BSN and post MSN APRN programs are approved by the Kentucky Board of Nursing (KBN).
KBN, Kentucky Board of Nursing
312 Whittington Parkway, Suite 300
Louisville, KY 40222
Phone 502-429-3300 or 1-800-305-2042
Fax 502-429-3311
Website www.kbn.ky.gov

The School of Social Work

The NKU Social Work Program is accredited by the Council on Social Work Education (CSWE).
CSWE, Council on Social Work Education
1701 Duke Street, Suite 200
Alexandria, VA 22314
Phone 703-683-8080
Fax 703-683-8099
Website: www.cswe.org

College Advising Center

Location: Health Innovation Center - FH461
Telephone: 859-572-5248
Fax: 859-572-1934
Email Address: chhsadvising@nku.edu
Key Personnel:

Director: Cathleen Wolff
Assistant Director: Dyane Foltz
Assistant Director of Retention & Student Success: Staci Hunt
Academic Advisor: Kristi Ahrens
Academic Advisor: Tinley Daniel
Academic Advisor: Jennifer Bobblitt-Johnson
Academic Advisor: Deborah Henry
Academic Advisor: Paige Long

Academic Advisor: Jasmine Riddlespringer
Academic Advisor: Hannah Ledford
Academic Advisor: Samantha Esche
Academic Advisor: Shelly Goldfarb
Academic Advisor: Rachel Lawson-Baker

Advisors in the College of Health and Human Services assist students pursuing or hoping to pursue one of the majors in our college.

College of Health and Human Services Policies

Student criminal background check: Health agencies are responsible for providing care to, and protecting the safety of, vulnerable populations such as children and the aged. Consequentially, several agencies used for clinical placements require students to undergo criminal background checks by an external agency. Agencies may deny clinical access to students convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the College of Health and Human Services. The criminal background check is required by the college as a part of the clinical clearance process, with the cost of this and any subsequent screening to be borne by the student. The student must submit all required materials within the time frame established by his/her respective program and is responsible for notifying the College of Health and Human Services of any change in the status of this record. Please note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment.

Centers

The Center for Simulation Education

Location: Health Innovation Center, 3rd and 4th floors
Telephone: 859-572-6322
Web Address: https://nku.edu/ihi/health-innovation-center-2/simulation-center.html
Director: Gina Fieler

The mission of the Center of Simulation Education is to deliver innovative, evidence based, learner-centered experiential education and engages in impactful scholarly endeavors, which empower our learners to have a positive influence on safety and population health. NKU's Center for Simulation Education uses technology and thoughtfully designed spaces to create a safe learning environment where students can practice real-life healthcare situations. The center features eight inpatient simulation rooms including an operating room, and a multi-bed critical care room. In addition, the center has a simulated home health environment and eight outpatient examination rooms. The simulation spaces allow for exploration and learner-centered education.

Northern Kentucky Nursing and Interprofessional Research Collaborative

Location: Health Innovation Center - FH 455
Telephone: 859-572-7453
Web Address:
http://inside.nku.edu/healthprofessions/institutes/nirc.html
Director: Karen O'Connell

The purpose of the Northern Kentucky Nursing and Interprofessional Research Collaborative (NIRC) is to positively impact the health of people within Kentucky through interdisciplinary research, quality improvement initiatives, and the application of evidence-based practice. Through the collaborative efforts between Northern Kentucky University, Rho Theta Chapter of Sigma Theta Tau International (STTI) Nursing Honor Society, St. Elizabeth Healthcare, and the Northern Kentucky Independent Health District, the NIRC sponsors structured workshops, seminars, and professional meetings for interprofessional healthcare providers, university students and community partners. The goal of the NIRC is to support original research and the application of research to foster positive healthcare outcomes within the community.

Nurse Advocacy Center for the Underserved

Location: Health Innovation Center - FH455
Telephone: 859-572-6342
Web Address:
https://www.nku.edu/academics/chhs/institutes/nacu.html
Director: Jennifer Hunter

The Mission of the Nurse Advocacy Center for the Underserved (NACU) is to improve the health of the underserved in the Northern Kentucky region by reducing health disparities. NKU nursing students are learning within a population-based context of healthcare delivery grounded in scholarship that determines best-practice standards and prepares them for meaningful careers. Unique methods of instruction are used by faculty in preparing students to deal with population health needs within a community or an institutional setting. NACU provides a singular model of care that immerses students in the community and allows them to become enlightened change agents. Students leave the comfort of fact-based theories in order to search, analyze, and synthesize information for decision-making. Not only do students learn how to be change agents, but they often experience a change within themselves. Their perceptions of the underserved are altered, which leads them to become more empathetic as well as self and socially aware graduates. These interactions are transformative not only for the student but also for the faculty and the clients who are being served.

School of Allied Health

Location: Health Innovation Center FH 455
Telephone: 859-572-5476
Fax: 859-572-1934
Email Address: alliedhealth@nku.edu
Web Address: http://alliedhealth.nku.edu
School Director: Trina Cossin
Other Key Personnel:

Program Director, Health Science: Shannon Alexander
Program Director, Radiologic Science: Jason Applegate
Program Director, Respiratory Care: Michelle Abreu
Program Director, Radiation Therapy: Julie Lasley

Full-Time Faculty: Shannon Alexander, Jason Applegate, Debbie Patten, Olu Ekundayo, Joseph Cress, Carolyn Hollan, David Tataw, Julie Lasley, Alicia Snyder, Carrie Hipple, April Bertoli, Jeremy Engel, Michelle Abreu

What we are: The School of Allied Health offers dynamic, flexible, and competency driven clinical, non-clinical and completion programs.

Our Programs:

- Health Science, B.S. (BSHS) - two tracks:
  - Transdisciplinary - can be completed in either a hybrid or fully online format
  - Degree completion - accelerated, fully online - track for students who have already earned an associate's degree in a health discipline.
- Respiratory Care, B.S. (BSRC) - two tracks
  - Clinical - small, inter-professional, face to face with state-of-the-art simulation, laboratory facilities and clinical placement
  - Degree Completion - accelerated, fully online for those already registered as Respiratory Care Practitioners/Therapists with an associate's degree in Respiratory Care
- Radiologic Science, B.S. (BSRS) - small, inter-professional face to face with state-of-the-art simulation, laboratory facilities and clinical placement
- Radiation Therapy, B.S. (BSRT) - small, inter-professional, face to face with CT simulation laboratory facilities, and excellent clinical placement

What we do: Our programs offer students personalized attention through:

- Dynamic, flexible, online accelerated, and small face to face classes,
- Completion programs,
- State-of-the-art simulation and laboratory facilities,
- Advising, and
- Dedicated faculty focused on student success.

Who we serve: The programs are designed to meet the needs of

- The student who seeks to be a part of the exciting health-care team as a professional,
- The student who is trying to determine their life trajectory,
- Professionals who are already in the health care professions, seeking professional development and transformation into other professions, and
- Those seeking to enhance their prospects in the health care workplace.

Our graduates:

- A degree from our programs enables students to easily transition to an advanced degree.
- Students in our Joint Review Committee on Education in Radiologic Technology (JCERT) accredited Radiologic Science and Radiation Therapy programs, and Commission on Accreditation for Respiratory Care (CoARC) accredited Respiratory Care programs have the opportunity for a strong clinical education through state-of-the-art simulation, laboratory experiences, and clinical site placements. They also have other opportunities to connect with employers for possible job placement. In addition, they are qualified to sit for the ARRT and CRT/RRT professional examinations respectively.
- Students within our Bachelor of Science in Health Science programs have the opportunity to transition into other fields within health care, or enter into the fields of health education, healthcare administration and management, as well as public health. Students can also use the degree as a stepping-stone toward graduate school in both clinical and non-clinical areas.

Student Activity Opportunities:
The School of Allied Health students have opportunities to become members of the Respiratory Care Students' Club, Radiologic Science Students' Club, College of Health and Human Services Student Ambassadors, African American Student Support Group, Student Advisory Board, the Kentucky Society of Radiologic Technologists (KSRT), Ohio Society of Radiologic Technologists (OSRT), and American Society of Radiologic Technologists (ASRT) - Student Sections. Students have exposure to service-learning and student leadership opportunities at the National level.

The **School of Allied Health** fully complies with all the policies of the College of Health and Human Services and Northern Kentucky University.

Above All
The School of Allied Health takes special pride in producing graduates who go on to become successful leaders in their careers as inheritors of a tradition of excellence in caring at all levels.

School of Kinesiology, Counseling, and Rehabilitative Sciences

Kinesiology and Rehabilitative Sciences
Location: Albright Health Center, HC 206
Telephone: 859-572-6557
Fax: 859-572-6090
Email Address: kinesiology@nku.edu

Human Services and Addictions
Location: Mathematics-Education-Psychology Center, MP 203E

Telephone: 859-572-6557
Email Address: CounselorEd@nku.edu

Web Address:
https://www.nku.edu/academics/chhs/programs/schools/kcr.html
School Director: Alar Lipping
Other Key Personnel:

Athletic Training Program Director: Rachele Vogelpohl
Exercise Science Program Director: Jason White
Health and Physical Education Director: Carol Ryan
Human Services and Addictions Program Director: Ashley Brooks

Full-Time Faculty: Susannah Coaston, Gary Eippert, Joshua Elliott, Rebecca Elkins, Dorea Glance, Greg Hatchett, Collin Herb, Christopher Lawrence, Alar Lipping, Dana Ripley, Carol Ryan, Hallie Sylvestro, Rachele Vogelpohl, Jennifer Kaiser, Ashley Brooks, Keith Collins, Christopher Harp, Paige Faust, Rhyanne McDade, Jason White

Kinesiology and Rehabilitative Sciences

Thinking about the discipline: Kinesiology, the study of human movement, has seen a surge in popularity over the last 20 years that experts attribute to its social relevance, its relation to the obesity epidemic, and the growing societal importance of sports and athletics. The kinesiology programs have evolved over the years to offer courses that extend beyond physical education and health to exercise science, exercise prescription, athletic training, motor development and learning, and biomechanics. Many students pursue traditional careers such as coaching or fitness instruction, but more than half pursue other quickly-growing allied health or medical professions such as athletic trainer, exercise science professional, cardiac rehabilitation specialist, physical therapist, occupational therapist or physician assistant. A new need for older adult and elementary/middle-school physical education teachers, coaches, and fitness instructors is also on the horizon, as the movement to improve health across the lifespan continues.

Special opportunities for our students: Students are encouraged to join the school's Kinesiology Club. The kinesiology club promotes an appreciation of, a commitment to, involvement in, and professional responsibility to the stated field of kinesiology. Students participate in such activities as: attending workshops, conferences, conventions, seminars, and institutions; community services; supporting events in the areas of athletic training, exercise science, and physical education/health; and serving as ambassadors for NKU to state, district, and national professional organizations.

You should also know: To remain in the exercise science program, students must earn a grade of C- or high in all major course work. To be admitted to an education program students must maintain an overall GPA of at least 2.75. In addition, students majoring in one of the education disciplines (for example, physical education) must apply for admission to the teacher education program. The admission process is described in detail in the teacher education section of the catalog. Students majoring in athletic training must also apply for admission to the athletic training program.

What Can a Degree in Human Services and Addictions Do for You?
Human services professionals help people who are struggling with life issues that cut across several systems of care, including substance abuse, mental health and primary healthcare services as well as many others. Many individuals feel called to positively impact the lives of others- whether based on life experience or professional goals. Demand for prepared graduates is increasing, so begin your career and make a difference with a degree in human services and addictions.

Why Choose Human Services and Addictions at NKU?

- **Flexibility:** If you're already in your career or returning to school to complete your degree, you can take classes online and in hybrid format to accommodate your schedule.
- **Top-Notch Faculty:** Learn from both full-time faculty in the graduate counseling department and experienced faculty who work in the field.
- **Experiential Learning Opportunities:** Complete 360 hours of field experience at human service agencies right here in the region.

School of Nursing

Location: Founders Hall/Health Innovation Center FH 395M
Telephone: 859-572-5895
Fax: 859-572-6098
Email Address: nursing@nku.edu
Web Address:
https://www.nku.edu/academics/chhs/programs/schools/nursing.html
Director-School of Nursing: Kim Dinsey-Read
Other Key Personnel:

Associate Director of Undergraduate Nursing Programs: Erin Robinson
BSN & ABSN Track Director: Lisa Cuntz
RN to BSN Track Director: Marybeth Baribeau

Full-Time Faculty: Elizabeth Beuke, Laura Boesken, Lynn Brown, Lisa Cuntz, Megan DeAtley, Lori Dowell, Gina Fieler, Traci Freeman, Julie Hart, Jillian Boyle, Emily Gerding, Jennifer Hunter, Meryl Hemmerle, Caron Martin, Shawn Nordheim, Karen O'Connell, Marybeth Baribeau, Catherine Pence, Anita Phillips, Audrey Reese Pipkin, Carol Potts, Angela Powell, Tracy Ripberger, Erin Robinson, Lynn Smith, Brittany Sorrell, Beth Hickey, Amber Nattin Thomas, Summyji Groom, Erica Taylor, Nanu Ogunyoku, Tina Sicurella

Thinking about the discipline: Nurses are key members of the healthcare team and focus on patient education, promotion of health, and prevention of illness. Nurses work in hospitals, community agencies, business and industry. Nurses also work as travel nurses, flight nurses, forensic nurses, legal consultants, and much more. Graduates of the program are prepared to function as providers of nursing care, managers of care, and as members of the profession of nursing. The coursework blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice.

Nursing is a rigorous course of study and only the most dedicated students are successful. NKU's Bachelor of Science in Nursing prepares traditional college students for entry-level practice in this exciting field. The Accelerated BSN (ABSN) track is designed for individuals that wish to become a registered nurse and have previously completed a bachelor's degree in a non-nursing field. The RN to BSN track provides career mobility for the registered nurse. The coursework blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice.

Graduates are awarded the degree of Bachelor of Science in Nursing and, as pre-licensure graduates, are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Graduates earning a BSN are eligible to continue their nursing education at the master's and doctoral levels.

All baccalaureate nursing programs are approved by the Kentucky Board of Nursing, Suite 300, 312 Whittington Parkway, Louisville, KY 40222-5172, 502-429-3300. All baccalaureate programs are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, P: (202) 463-6930.

Traditional BSN (TBSN) and Accelerated BSN (ABSN) Tracks: Special opportunities for our students: TBSN and ABSN pre-licensure tracks include planned clinical experiences in the community, local healthcare agencies in Northern Kentucky and the Greater Cincinnati area, and NKU's state-of-the-art simulation laboratory.

Nursing students have opportunities to become members of the Student Nurses Association, College of Health and Human Services Student Ambassadors, African American student support group, Student Advisory Board, and American Assembly for Men in Nursing. Additionally, students may participate in service-learning opportunities with the Nurse Advocacy Center for the Underserved (NACU) and other community agencies. Interested students also have an opportunity to study nursing abroad in the summers.

Awards given in the pre-licensure BSN tracks include: membership in Sigma Theta Tau Rho Theta Chapter (honor society for nursing) as well as leadership, academic, and caring spirit awards.

Special admission requirements for traditional and accelerated BSN tracks: Nursing is a **selective admission** program. All applicants must be accepted to NKU as degree-seeking students and must submit a separate application for the nursing tracks when eligible to apply.

To be eligible for the Traditional and Accelerated nursing tracks all prerequisites and co-requisites must be completed with a *C* or higher; grades of *C-* are not accepted. All science courses taken as prerequisites for admission to either track must be fewer than five years old as of the first day of the semester in which the program is started. For entry into the TBSN or ABSN track, the student's GPA must be at least 3.0 on the last 30 credit hours or the cumulative GPA, whichever is higher.

Admission to nursing is provisional based on successful completion of prerequisites, GPA, passage of the criminal background check, and minimum score on the TOEFL, if required. The Kentucky Board of Nursing has regulations regarding previous felony and misdemeanor convictions that must be addressed prior to sitting for the licensure examination.

English proficiency: A certain level of English proficiency is necessary for academic success in nursing as well as for patient and client safety. For this reason, applicants whose native language is other than English must demonstrate an established level of English proficiency by taking the Internet-based TOEFL as part of the application process and must have a minimum cumulative score of 90 with minimum individual scores of 26 in speaking, 22 in listening, 20 in writing, and 22 in reading. Only official scores will be accepted and the testing must be within two years of application to the program. Only the Internet-based TOEFL (iBT) will be accepted for applicants to the traditional and accelerated BSN tracks. Students must register for the iBT using the school code for Northern Kentucky University which is #1574. Students must take the test early enough to ensure that the results are reported to the university by required application deadlines. "Official language" is defined as an individual's first acquired language and the language of educational instruction. For a complete list of NKU approved countries with English as the "official language," please contact the International Student & Scholar Services at 859-572-6517 or https://inside.nku.edu/internationalstudents.html. The test of English as a foreign language is offered by the Educational Testing Service and may be taken at various test centers throughout the world.

The TOEFL requirement may be appealed under extenuating circumstances. The appeal should be made in writing to the Admission Progression Committee (APG Committee). The School of Nursing may request an applicant have an interview with the Associate Director of Undergraduate Nursing Studies or designee.

Nursing program considerations:

Applicants without a bachelor's degree should review the requirements for the traditional BSN (TBSN) track. Those with a bachelor's degree, who desire an accelerated pathway, should review the accelerated BSN (ABSN) requirements. Those who hold an unencumbered RN

license should review the requirements for the RN-BSN track.

Nursing majors are not required to have a minor or focus.

The school reserves the right to change the program of study as needed to fulfill state approval and national certification requirements, including the Commission on Collegiate Nursing Education (CCNE) and Kentucky Board of Nursing (KBN).

All pre-licensure BSN students are required to participate in the Evolve® Curriculum Support Program. This is a commercial program that provides additional resources for student learning. See TBSN and ABSN track descriptions for details.

Progression requirements: Students who earn less than a C in a nursing course will be required to repeat the course, along with specified co-requisite courses, if applicable, and prior to progressing to the next semester of nursing courses. The student must re-apply to the program as a re-admission applicant to the nursing program. Students may repeat one semester of courses before being dismissed from the nursing program. If a transfer student has a prior failure in a nursing course, this is counted as one repeat episode. Students dismissed from the BSN nursing program will not be able to reapply for two years following the dismissal. Students must complete the program in 8 semesters from the date in which the student began nursing courses.

Statement regarding when courses are offered in the School of Nursing:

Independent studies:

NRS 299 Independent Study (1-3 credits) and NRS 499 Independent Study (0-3 credits) will be offered, as needed, each semester.

Remediation:

NRS 275 Remediation of Intro Nursing Concepts (1 credit) will be required in the last 7 weeks of the 2nd semester for traditional BSN students who score below 900 on the Fundamentals HESI Specialty V1 or V2 exam.

NRS 400 HESI-RN Exit Test Preparation I (1 credit) will be required in the last 7 weeks of the 5th semester for traditional BSN students who score below 900 on the Medical-Surgical HESI Specialty V1 exam.

NRS 401 HESI-RN Exit Test Preparation II (1 credit)* will be required in the last 7 weeks of the final nursing semester for traditional and accelerated BSN students who score below 900 on the HESI-RN Exit V1 exam.
*This course can be taken voluntarily by students who achieve over 900 on the HESI RN-Exit exam on a space available basis.

RN to BSN Track

The RN to BSN track allows Registered Nurses to expand their knowledge base to incorporate scientific and humanistic theories with nursing theories and evidence-based practice to provide graduates with a foundation for professional nursing practice. Our online RN to BSN track offers flexibility and affordability, allowing the nurse to take her/his nursing career to the next level.

Northern Kentucky University's RN to BSN track has a proven history of producing alumni who become successful leaders in their professional endeavors. Through innovative use of technology, our faculty provide an up close and personal educational experience.

Features of the Track: Our online RN to BSN track offers the flexibility that most working RNs desire, helping them to make the most of their associate degree or diploma degree in nursing.

Unique features of this track include:

No testing to validate previous nursing education
Easy transfer of prior college course work
Nursing courses offered online in 7-week sessions
Non-nursing courses offered online in 7-week sessions
Curriculum designed to accommodate working nurses

Work and Go to School: Most students work full-time and have family responsibilities. Our fully online RN to BSN provides the needed flexibility to successfully complete one's degree.

Transfer Friendly: We understand that there are numerous pathways to nursing. At NKU, we pride ourselves on being transfer friendly. In addition to graduates of regionally accredited institutions, we are pleased to welcome students from various colleges through articulation agreements.

Admissions Requirements: Individuals who have completed a diploma or associate degree program in nursing, from an approved institution, who have an unencumbered RN license in, and who meet the admission criteria are eligible to apply for the RN to BSN online track.

Application Deadlines: The RN to BSN track starts a new group of students every seven weeks. Applications are accepted on a continual basis allowing applicants to begin at the beginning of each 7-week session.

RN to BSN curriculum: To begin the RN to BSN curriculum, students must have completed the prerequisites and can have no more than 12 credit hours remaining to complete in the Foundations of Knowledge. The curriculum consists of baccalaureate-level nursing courses in areas such as Role Transformation; Quality Care for Vulnerable Populations; Population-Centered Health in the Community; and Leadership. The RN to BSN track offers a Leadership Practicum designed to provide a culminating practice experience within a clinical setting where students will integrate new practice, knowledge, and skills.

Progression Requirements: Students must maintain a GPA of at least 2.5. All specific required courses must be completed with a C or higher, a C- will not be accepted. Students who earn less than a C in a nursing course will be required to repeat the course prior to progressing to the next 7-week session of nursing courses. Students may repeat one session of courses before being

dismissed from the program. Students dismissed from the RN-BSN track will not be able to cannot reapply for one year following the dismissal. Students must begin the nursing courses of the RN to BSN track with NRP 470 and conclude the track with NRP 478.

Transfer Credits: A complete assessment of previously earned credits will be made by the Office of the Registrar upon application to the program.

School of Social Work

Location: Mathematics-Education-Psychology Center 222
Telephone: 859-572-5604
Fax: 859-572-6592
Email Address: bsw@nku.edu
Web Address: https://www.nku.edu/academics/chhs/programs/undergraduate/bsw.html
School Director: Caroline Macke
Other Key Personnel:

BSW Program Director - Tara McLendon
BSW Field Director - Tara McLendon

Full-Time Faculty: Jessica Averitt-Taylor, Nycole Brundidge, Kelly Fallon, Suk-hee Kim, Kevin Lotz, Caroline Macke, Tara McLendon, Katherina Nikzad-Terhune, Reiko Ozaki, Holly Riffe, Karen Tapp, James Taylor, Neisha Wiley, Dave Wilkerson

Programs

Major

Social Work, B.S.W.

Minor

Social Justice Studies Minor

Thinking about the discipline

Social work is an impactful profession, one that is critically important to the wellbeing of individuals, as well as the communities in which they live. Social workers are committed to promoting positive change at the individual and societal level. If you feel energized and motivated by the thought of empowering others and positively impacting the lives of vulnerable populations, then this profession is for you. Social workers are employed in many settings, including schools, hospitals, substance abuse treatment centers, detention centers, child welfare, foster care, police stations, community-based agencies, mental health agencies, homeless shelters, senior centers, policy think tanks, etc. Those who have completed a BSW or MSW have the ability to pursue state licensure at the level of their degree.

Accreditation

The School of Social Work is accredited by:
Council on Social Work Education (CSWE)
1701 Duke Street, Suite 200
Alexandria, VA 22314-3457
Phone: 1.703.683.8080
Fax: 1.703.683.8099
E: info@cswe.org

Bachelor of Social Work (BSW)

The Bachelor of Social Work (BSW) is a four-year program that prepares students for generalist practice with diverse populations in diverse settings. The curriculum focuses on teaching the knowledge, skills, and values needed to effectively work with diverse individuals, families, groups, organizations, and communities. Students will complete course work related to human behavior theory, policy, community organization, research, and practice with individuals, families, and groups. The social work values of self-determination and the worth and dignity of all people form the foundation of the curriculum.

Path to the BSW degree:

The path to the BSW degree involves 4 main steps/phases.

- Phase 0: Declare Social Work as your Major & Meet with your Advisor
- Phase 1: Complete Required Social Work Pre-Requisites & Take Social Work Electives
- Phase 2: Complete Core Social Work Courses & Continue to Take Social Work Electives
- Phase 3: Complete your Field Placement & Finish Up Social Work Electives

PHASE 0: Students interested in the social work profession should declare Social Work as their major and meet with their advisor.

PHASE 1: Social work majors must complete 6 required pre-requisite courses with a grade of *C*- or higher. These 6 pre-requisites are as follows:

- SWK 105 Social Work & the Community - SB (3 credits)
- SWK 106 Introduction to Social Justice - AH (3 credits)
- SWK 204 Social Work Ethics (3 credits)
- SWK 205 Inclusion, Oppression, & Social Work 3 credits
- SWK 206 Professional Social Work Communication (3 credits)
- Statistics (3 credits)

PHASE 2: Once students have completed the 6 pre-requisite courses with a grade of C- or higher (as outlined in Phase 1), AND

have maintained a minimum overall GPA of 2.75, then students are ready to enter Phase 2, which involves completing the restricted, core social work courses. Students will complete a total of 8 core social work courses over the span of 2 semesters.

PHASE 3: In order to enter Phase 3, *students must have a cumulative GPA of at least 2.75* and must have completed all core social work courses with a grade of *C*- or higher. During Phase 3 of the social work journey, students complete their field placement. This is where students apply what they have learned in the classroom within a community-based agency. This experience fosters empirical and practice-based knowledge integration. Field placements are chosen by students in collaboration with the field director. Students will complete a total of 400 hours at their field placement over the span of their final semester at NKU. This is the equivalent of approximately 25 hours per week. While completing these field placement hours, students are also enrolled in two 5-credit hour courses (SWK 406 and SWK 408). These field instruction courses are intended to enhance and compliment the learning that is occurring within the community-based agency.

In addition to the core social work courses, students must also complete a total of 9 credit hours of social work electives. We offer electives in the areas of forensic social work, police social work, child welfare, substance abuse, mental health, social justice, family-directed structural model, gerontology, veteran services, and others. Based on the needs of the community and the social work profession, we continuously re-evaluate, update, and add electives.

You should also know:

Some social service agencies may require field students and potential employees to undergo criminal background checks by an external agency. Also, some agencies may deny students and graduates convicted of felonies and certain misdemeanors. In addition, obtaining licensure may be more challenging for individuals convicted of felonies and certain misdemeanors.

Special retention requirements: Students may be removed from the social work program based on the following:

- Academic performance below the acceptable level of an overall GPA of at least 2.75 or less than the grade of *C*- in any social work or supportive required courses.
- Behavior inappropriate or detrimental in a professional relationship, including criminal convictions.
- Violation of NKU's Student Code of Rights and Responsibilities.
- Violation of the National Association of Social Workers' Code of Ethics.

Special opportunities for our BSW students:

- Public Child Welfare Certification Program (PCWCP). PCWCP is a selective-admission, pre-employment opportunity for social work majors that pays in-state tuition for the last three or four semesters and per-semester stipend benefits. PCWCP is a statewide collaboration among the Kentucky Cabinet for Health and Family Services and 11 Kentucky university social work programs. The purpose of the program is to provide BSW students the opportunity to receive advanced training in the area of child welfare protection and permanency. After graduation, PCWCP students are required to become employed by the Kentucky Department of Health & Family Services, Department of Child Protection & Permanency for a minimum of two years.
- Scholarship opportunities for social work majors. Information is available from the Office of Student Financial Assistance.
- Micro-credentials in specific social work areas:
  - Forensic Social Work
  - Gerontology

Special opportunities for BSW graduates:

- Ability to apply for admission to the advanced standing, one-year MSW program (30 credit hours instead of 60 credit hours).
- Ability to obtain professional state social work license.

College of Informatics

Location: Griffin Hall 500
Telephone: 859-572-5666
Fax: 859-572-6176
Email Address: informatics@nku.edu
Web Address: http://informatics.nku.edu/
Dean: Kevin Kirby
Other Key Personnel:

Associate Dean: Stephanie Klatzke
Director of Budget & Operations: Beth Sweeney
Director of Development: Taylor Police
Executive Assistant to the Dean: Bain Lindeman

The College of Informatics offers a contemporary perspective on the disciplines that have information at their core. We are home to two schools: the School of Computing and Analytics and the School of Media and Communication. Our students have the opportunity to work with companies and other organizations on cutting-edge projects.

The college offers fourteen bachelor's degrees, four master's degrees, fourteen minors, and a variety of certificates, both graduate and undergraduate. Several of our programs are available in a variety of forms, including traditional face-to-face, fully online, and hybrid formats. Many of them accommodate working professionals who are only available for coursework in the evening and on weekends.

We have energetic faculty who have a passion for teaching, who are dedicated researchers, and who have a strong sense of civic engagement. Our Informatics Student Success and Advising Center

has a staff to help students advance smoothly through their course of studies here.

Our home is NKU's state-of-the-art informatics center, Griffin Hall. In this open and social space, students have the opportunity to use the newest technologies and collaborate in innovative ways.

Above all, we embrace a culture of silo-breaking transdisciplinarity. In other words, the College of Informatics is not an island. We work together with all the other colleges on campus to advance the full range of NKU's mission. Informatics is networked into almost anything you can imagine, and we invite everyone to connect to us and explore.

Informatics Student Success and Advising Center

Location: Griffin Hall 404 A-H
Telephone: 859-572-7670
Email Address: iSSAC@nku.edu
Web Address:
https://nku.edu/academics/informatics/advising.html
Assistant Dean for Undergraduate Students: Rebecca Hamm
Other Key Personnel:

Assistant Director of Advising: Kara Thompson
Assistant Director of Recruitment and Retention:
Academic Advisors:

Lisa Brun
Kelly Craig
Jill Liebeisch
Justin Taylor
Jen Ungerleider

It is the mission of the Informatics Student Success and Advising Center is to advise, teach, assist, and empower you. Our professional faculty and staff accomplish this by assisting you in college transition, selecting courses for your desired major, and mapping co-curricular experiences into your plan. Ultimately, we strive to help you navigate and successfully complete your degree. Our advisors are trained to listen to your concerns in an open and caring way and connect you with campus resources.

There is a lot of information available on our website, but keep in mind that as careers change, so do degree requirements. Therefore, while many of your questions may be answered after viewing the contents of our site, we strongly recommend that you consult an advisor at least once a semester with your specific questions.

Accreditations

The Business Information Systems program is accredited by AACSB - International, the Association to Advance Collegiate Schools of Business.

Data Science is accredited by ABET.

Centers

The Center for Information Security

Telephone: 859-572-7739
Web Address: http://inside.nku.edu/informatics/centers/cis.html
Director: James Walden

The Center for Information Security (CIS) is a multidisciplinary center for information security research and education. NKU has been designated as a National Center for Academic Excellence in Cybersecurity (NCAE-C) by the National Security Agency and the US Department of Homeland Security. The center ensures coordination of the various security-related academic programs, supports the undergraduate cyberdefense team and contributes to various outreach activities including NKU's annual Security Symposium.

The Center for Integrative Natural Science and Mathematics

Telephone: 859-572-5381
Fax: 859-572-6179
Web Address: http://cinsam.nku.edu/

Established in 1999 by Kentucky's Council on Post-Secondary Education as the Program of Distinction at NKU, the Center for Integrative Natural Science and Mathematics (CINSAM) is dedicated to enhancing teaching, learning, and application of science and mathematics at all educational levels throughout the region. It prepares outstanding future teachers by promoting integrative science courses and by providing opportunities for collaboration among education, science, and mathematics faculty and their students at all grade levels from pre-school to college graduate. CINSAM's vision is to facilitate NKU becoming a nationally recognized leader in Science, Technology, Engineering and Mathematics (STEM) education and scholarship.

School of Computing and Analytics

Location: Griffin Hall 400
Telephone: 859-572-6959
Fax: 859-572-5398
Email Address: SCA@nku.edu
Web Address:
https://www.nku.edu/academics/informatics/programs/sca.html
School Director: Marius Truta
Associate School Director: Susan Brudvig
Program Head, Computer Science & Software Engineering: Rasib Khan
Program Head, Cybersecurity & Information Technology: Tony Tsetse
Program Head, Information Systems & Analytics: Crystal Summers

Other Key Personnel:

Senior Operations Coordinator: Sue Murphy-Angel
Academic Coordinator: Grant Beccacccio
Academic Specialist:

Full-Time Faculty: Seth Adjei, Rupesh Agrawal, Kalyani Ankem, Ali Balapour, Andrea Brooks, Susan Brudvig, Tony Burk, Alina Campan, Nicholas Caporusso, Teuta Cata, Ankur Chattopadhyay, Mary Chesnut, Samuel Cho, Maureen Doyle, Hailley Fargo, Richard Fox, Wei Hao, Yi Hu, Kevin Jiang, Rasib Kahn, Peiwei Li, Jill Liebisch, Sarah Mann, Bradley Metzger, Awad Moussa, Gary Newell, Shahid Al Noor, Souren Paul, Vijay Raghavan, Kenneth Roth, Joseph Rubleske, Hanieh Shabanian, Crystal Summers, Yangyang Tao, Emily Taylor, Bradford Thomas, Cynthia Thomas, Traian Marius Truta, Anthony Tsetse, James Walden, Hongmei Wang, Rob Zai, Junxiu Zhou.

Thinking about the discipline**:** Computation and analytics have come to underlie nearly every aspect of our personal and professional lives. Software is pervasive, and the development of sophisticated, efficient, reliable and secure code depends on a balance of scientific and creative skills. The deployment of information systems requires skills that tie together the organizational and managerial aspects of enterprise operations together with knowledge of the fast-changing information technologies and a savviness with data in its many forms. Our interdependent networked world is evolving fast and creates new threats along with new opportunities, so strength in cybersecurity is especially important for companies and governments. All of this has led to a very strong demand for talented graduates with skills and passion for computing and analytics.

By majoring in one of the computing fields, a student gets a behind-the-scenes look at the digital world, moving from being a user to becoming a creator and/or administrator of information technology. Students with degrees in applied software engineering are prepared to become software engineers with a focus on state-of-the-art software design, development, and life-cycle management practices utilized in the industry; students with degrees in computer information technology often run large networks, serve as system administrators, or implement and maintain complex websites; students with degrees in computer science are prepared to apply theoretical knowledge and computationally efficient solutions in software, algorithms, and system development, and/or pursue graduate degrees in computer science; students with degrees in cybersecurity are prepared to preform security risk assessments and protect computers, networks, and software programs from cyber-attacks; students with degrees in data science often use software to model and visualize information.

The majors in the information sciences offer three complementary contexts for the study and application of information in organizations: business, healthcare, and library science. These programs focus on the broad information systems aspect of business theory and practice. Students will develop skills in:

- Automating business processes such as project management and workflow analysis.
- Managing information functions such as information systems analysis and design.
- Quantitative analysis and decision making such as developing management dashboards and business data analytics.

On the edge of a digital revolution, the world of business and healthcare is relying more and more on technology for business process management, data analysis, and project management. These programs prepare students to enter the marketplace and start their careers in business, government institutions, educational organizations, healthcare facilities, and other knowledge-based organizations.

Special opportunities for our students: Students in the computing majors have many opportunities to engage with projects and activities outside the classroom. Each fall, the School of Computing and Analytics sends teams of computer science students to the regional International Collegiate Programming Contest. Each spring it sends a team of majors to the regional Collegiate Cyber Defense Competition. Students interested in research work can work on projects with faculty members in a variety of areas, from web security to data mining. These student researchers often travel to conferences to present their work.

Many students defray college costs through co-ops and internships, and they can receive credit for this work in their major. Placement testing information for mathematics courses can be obtained from the Department of Mathematics and Statistics (Mathematics-Education-Psychology Center 401). Credit for prior learning is also available for a selected set of introductory courses via an equivalency exam.

Special admissions requirements: The Business Information Systems (BIS) degree is AACSB-accredited and therefore prospective majors must meet selective admission requirements co-established with the Haile/U.S. Bank College of Business. Students enter the program as a Pre-BIS major. Students are officially admitted to the program as a BIS major after meeting the following requirements:

- Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 200, ECO 201, and MKT 205) with a grade of C- or better in each.
- An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students intending to major in BIS enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

Special graduation requirements: All students successfully completing the Bachelor of Science in Business Information Systems automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

Students must earn a grade of C- or better in each course that counts as part of major or minor in Applied Software Engineering,

Computer Information Technology, Computer Science, Cybersecurity, or Data Science. Placement testing is available for some computer information technology, computer science and informatics courses.

You should also know: More information is available from the Informatics Student Success and Advising Center, located in Griffin Hall 404.

The School of Media and Communication

Location: Griffin Hall 400
Telephone: 859-572-5436
Fax: 859-572-6187
Email Address: SMC@nku.edu
Web Address:
https://www.nku.edu/academics/informatics/programs/smc.html
School Director: Stephen Yungbluth
Associate School Director: Jeff Fox

Program Head, Communication & Public Relations: Zach Hart
Program Head, Media & Journalism: Sara Drabik

Other Key Personnel:
Senior Operations Coordinator: Sue Murphy-Angel
Academic Coordinator: Grant Beccacccio
Academic Specialist:

Full-Time Faculty: Wesley Akers, Randall Brandt, Nick Brummer, Whittney Darnell, Michele Day, Sara Drabik, Jacqueline Emerine, Jeff Fox, John Gibson, Zachary Hart, Stacie Jankowski, Stephen Johnson, Sunil Ketty, Stephanie Klatzke, Jessica Kratzer, Yasue Kuwahara, Andrea Lambert South, Mark Leeman, Carlos Matthews, Ash Nieman, Tracy Songer, Christopher Strobel, David Thomson, Stephen Yungbluth, Aaron Zlatkin

Thinking about the discipline: The School of Media and Communication fosters an integrated approach to the study and practice of communication and emphasizes the fundamental role communication plays in virtually all human endeavors.

Students majoring in 3D digital design & visual effects, communication studies, electronic media and broadcasting, health communication, journalism, or public relations will take courses that teach basic and advanced skills in computer-mediated, digital, spoken, visual, aural, and written communication. They also promote an understanding of communication principles and theories as well as an awareness of the personal, social, psychological, and cultural impacts of communication. The school's courses also emphasize situational analysis, issue identification, problem solving, message construction, storytelling, and effective presentation.

Our students aspire to become professional communicators in fields such as broadcast, online, and print journalism; 3D modeling, animation, audio, and video storytelling, organizational communication, public relations, and health communication.

Special opportunities for our students: The School of Media and Communication provides numerous opportunities for practical and applied experiences through an active internship program, projects and practicum courses, as well as student organizations. The school is home to NorseMedia, which creates media for NKU's web presence and cable television station.. In addition, the NKU student newspaper (*The Northerner*) and online radio station (Norse Code Radio) are housed in the school. Students also have the opportunity to join a variety of discipline-specific student organizations such as the Norse Film Society, NKU E-Sports, Public Relations Student Society of America, and Society for Professional Journalists. High achieving students are also eligible to join the communication honor society, Lambda Pi Eta.

Special graduation requirements: All majors and minors must earn a letter grade of C- or better and a 2.0 GPA in their major or minor courses.

Honors College

Location: Founders Hall 295
Telephone: 859-572-5400
Email Address: honors@nku.edu
Web Address: https://nku.edu/honors-college.html
Dean: James Buss
Other Key Personnel:

Assistant Director for Admissions, Communications and Technology, Michele Adams
Assistant Director for Honors Student Success, David Kime
Assistant Director for Honors First Year Programs, Leanne Wood

The NKU Honors College seeks to recruit motivated students with high academic potential who might benefit from the engaging and enriching curricular and co-curricular opportunities offered by the college. The goal of the Honors College is to provide a transformational experience for our students, both in and out of the classroom through experiential learning, community-engaged scholarship, and servant leadership.

The Honors College seeks to inspire students, faculty, and staff by creating a bold and innovative environment in which to reshape the landscape of higher education. We view the Honors College as a laboratory of learning, where students, faculty members, and the broader community exceed the bounds of a conventional university education, recognize failure as necessary to learning and growth, and embrace creativity and curiosity as central to a transformative educational experience.

The Honors College embraces the approach of distinctive learner-directed and learner-centered experiences. The college provides enhanced and enriched educational experiences so that students

might make the most of their time at NKU through experimental course designs, engaged project-based learning courses, and enriching co-curricular and extra-curricular opportunities.

The Honors College serves:

- **Students** by offering a unique transformative undergraduate experience through enhanced and enriched curricular, co-curricular, and extra-curricular opportunities that prepares students to become creative, independent thinkers and collaborative problem solvers, as well as active, empathetic and informed global citizens.
- The **campus community** by providing a pedagogical laboratory wherein faculty and students can envision and experiment with collaborative opportunities that transcend disciplinary boundaries and conventional methods of educational delivery.
- **External partners** by linking campus to community and instilling in our students a sense of personal and social responsibility that will lead the community well into the future.

Students who wish to receive University Honors Scholar status upon graduate can choose from two distinct programs that provide enhanced and enriched undergraduate opportunities.

Pre-Professional Programs

NKU pre-professional programs are offered to students who plan to attend a professional program following their work at NKU. It covers the following areas: pre-dental, pre-engineering, pre-medical, pre-optometry, pre-physician assistant, pre-pharmacy, pre-physical therapy, and pre-veterinary medicine.

The information about pre-professional programs is general. Students interested in a professional program are advised to work closely with an NKU advisor who specializes in the professional area of interest. Students whose interests lie outside these specific areas should consult with an advisor before registering for classes. Students interested in a career in podiatry, or another medically-related area, should consult an advisor in biology or chemistry.

Interdisciplinary Programs

Interdisciplinary programs cross departmental boundaries and expose students to the perspectives of different disciplines. NKU offers four interdisciplinary majors: environmental science, integrative studies, international studies, and neuroscience. NKU offers 21 interdisciplinary minors: ancient civilizations, Asian studies, black studies, Celtic studies, Chinese studies, cinema studies, environmental studies, European studies, evolutionary studies, honors, international studies, Latin American and Caribbean studies, medieval and Renaissance studies, Middle Eastern and North African studies, Native American studies, neuroscience, popular culture studies, religious studies, social justice studies, Sub-Saharan African studies, and women's and gender studies. The university offers one interdisciplinary undergraduate certificate in geographic information systems.

NKU offers a variety of interdisciplinary programs that provide students and faculty with the opportunity to explore and develop subject areas and methods of inquiry otherwise not available within traditional disciplines of the university. Because these tend to be innovative programs, they may undergo curricular change more often than traditional programs. As a result, students are strongly encouraged to work with the program director or an advisor to remain current on program requirements, options, and opportunities.

Degrees, Minors, and Certificates

ASSOCIATE OF ARTS

Integrative Studies, A.A.

Location: Founders Hall 365E (Program Director), UC 210 (Advising)
Telephone: 859-572-1450 (Program Director), 859-572-5494 (Advising)
Fax: 859-572-6185
Email Address: ist@nku.edu
Web Address: http://ist.nku.edu
Program Director: Rudy Garns
Other Key Personnel:

Undergraduate Advisor: Amanda Laskowski and Jasmine Hardy

Thinking about the program: The Associate of Arts in Integrative Studies (AAIS) is designed for students who need a college credential that will serve for career advancement, or who want to prepare for continuing toward a Baccalaureate degree. The program promotes intellectual breadth and depth and emphsizes integrative thinking.

Special graduation requirements:

- At least six hours must be taken from NKU after declaring the program.
- No course can be used twice in the AAIS program (except IST 185, which fulfills both the Core and General Education requirement).
- This degree cannot be counted as a major, minor, or focus in an NKU Baccalaureate program.
- A minimum of 60 hours excluding developmental courses.

INTEGRATIVE STUDIES CORE (6 CREDITS)

Students must complete the following two courses. A grade of *C-* or higher is required for a Core course to count toward the program.

IST 185 Introduction to Integrative Studies - SB (3 credits)
IST 397 Interdisciplinary Inquiry (3 credits) ♦

DEPTH (6 CREDITS)

Students must choose at least 6 hours at the 300-level or above. Courses can be selected from the same or different disciplines.

GENERAL EDUCATION (31 CREDITS)

Students must complete 31+ hours of general education to comply with the KY transfer policy. This includes IST 185, which satisfies the Individual and Society category, and courses from the following groups:

Communication Written I -- 3 hours
Communication Written II -- 3 hours
Oral -- 3 hours
Quantitative Reasoning -- 3 hours
Natural Science -- 4 hours (include lab)
Cultural Pluralism -- 3 hours
Cultural and Creativity -- 6 hours
Global Viewpoints -- 3 hours

Refer to the "General Education" section of the catalog to determine which courses satisfy these areas.

BREADTH (20 CREDITS)

Students must fulfill the remaining program requirements with any 20 or more hours of additional electives.

BACHELOR OF ARTS

3D Digital Design and Visual Effects, B.A.

The 3D digital design and visual effects program resides at the intersection of communication, arts, technology, and design. Students in this diverse and challenging major collaborate to conceptualize, create, and design 3D content, animation, games, digital media, and visual effects (VFX) that educate, inform, inspire, and entertain. Coursework focuses on both cutting edge technology and foundational understanding of theories and techniques needed to create compelling and inventive experiences for the next generation.

3D digital design and VFX curriculum will prepare students to create and deliver content with the end goal of designing engaging and effective interactive, immersive, and animated storytelling.

Students majoring in 3D Digital Design and Visual Effects must complete 54 credit hours of study as outlined below, and take "CMST 101 Public Speaking - OC (3 credits)" or "CMST 110 Introduction to Communication Studies - OC (3 credits)" for the oral communication requirement of their general education program.

Also, DFX students are required to take "INF 120 Elementary Programming - NS (3 credits)" to fulfill the natural science without a lab requirement of the general education program.

In addition, DFX students are required to take "EMB 100 Media Literacy - AH (3 credits)" or "JOU 110 Introduction to Mass Communication - SB (3 credits)" to fulfill either a culture and creativity or individual and society requirement of the general education program. It is the policy of the School of Media and Communication that the courses offered by the school(CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the department unless the required course is the only option.

Special graduation requirements: All majors and minors in the School of Media and Communication must earn a letter grade of *C-* or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (57 CREDITS, PLUS 9 FOUNDATION OF KNOWLEDGE CREDITS)

Foundation of Knowledge coursework (9 credits)

Take INF 120 to fulfill the Natural Science without a lab requirement.

Take EMB 100 to fulfill a Culture and Creativity requirement OR JOU 110 to fulfill an Individual and Society requirement.

Take CMST 101 OR CMST 110 to fulfill the Oral Communication requirement.

INF 120 Elementary Programming - NS (3 credits) ♦

EMB 100 Media Literacy - AH (3 credits)
OR
JOU 110 Introduction to Mass Communication - SB (3 credits)

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

Core Courses (39 credits)

EMB 140 Introduction to Media Aesthetics (3 credits)
INF 286 Introduction to Web Development (3 credits) ♦
DFX 221 Visual Fundamentals for Digital Media (3 credits) ♦
DFX 240 Introduction to Interactive Media (3 credits) ♦
DFX 244 Principles of Digital 3D Animation (3 credits) ♦
DFX 245 3D Modeling Fundamentals (3 credits) ♦
DFX 250 Analog Game Design (3 credits) ♦
DFX 252 Non-Linear Interactive Storytelling (3 credits) ♦
DFX 309 3D Hard Surface Modeling (3 credits) ♦
OR
DFX 340 Intermediate Interactive Media (3 credits) ♦

DFX 352 Project Research Management (3 credits) ♦
DFX 381 Computer-Mediated Communication (3 credits)
DFX 420 Professional Practices (3 credits) ♦
DFX 452 Advanced Portfolio Production (3 credits) ♦

Electives (choose 5 classes - 15 credits)

Select any of the following courses:

Any additional DFX prefix course
ARTM 331 Digital Arts & Effects (3 credits) ♦
ARTM 360 Robotic Art (3 credits) ♦
ARTM 394 Topics in New Media Art (3 credits) ♦
EMB 326 Digital Compositing (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦

Select one 300- or 400- level College of Informatics course (3 credits)

(ASE, BIS, CIT, CMST, CSC, CYS, DFX, DSC, EMB, HCOM, HIN, INF, JOU, LIN, POP, or PRE)

Anthropology, B.A.

Students must earn at least a C (2.00) in the core courses, and earn a C (2.00) average in all anthropology courses counting for the major or minor.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (42-43 CREDITS)

A minimum C (2.00) GPA average required for courses counted towards the major. At least one 300 level course each must be taken in archaeological, biological, and cultural anthropology.

Core Courses (18 credits)

A minimum grade of C (2.00) is required for each of the core courses.

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
ANT 202 Biological Anthropology - NS (4 credits)
ANT 210 Introduction to Archaeological Methods and Theory (3 credits)
ANT 275 Language and Culture (3 credits)
ANT 280 Careers in Anthropology (1 credits)
ANT 401 Anthropological Theory (3 credits) ♦
ANT 480 Anthropology Capstone (1 credits) ♦

Methods Courses (6-7 credits)

Select any two methods courses from the list below.

ANT 307 Museum Methods (3 credits) ♦
ANT 308 Cultural Resource Management (3 credits) ♦
ANT 315 Archaeological Excavation Methods (3-4 credits) ♦
ANT 325 Applied Anthropology (3 credits) ♦
ANT 333 Paleoanthropology Laboratory (3 credits) ♦
ANT 334 Behavioral Field Methods (3 credits) ♦
ANT 340 Ethnographic Methods and Research (3 credits) ♦
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
ANT 355 Archaeology Laboratory Analysis (3 credits) ♦
ANT 365 Ethnographic Field Methods (4 credits) ♦
ANT 396 Museum Internship (3-6 credits) ♦

Elective Courses (18 credits)

Select any six anthropology courses not fulfilling requirements above, at least four of which must be at the 300 or 400 level.

Art and Design, B.A.

Students seeking a Bachelor of Arts degree in Art and Design must complete the 12-credit-hour core plus one of the five tracks listed below for art and design: studio arts, art history, art education, and pre-art therapy.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (12 CREDITS)

Core Courses

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦ *

Note:

* ART 291W Advanced Writing-Writing/Artists - WC (3 credits) fulfills the general education requirements for Written Communication II.

ART EDUCATION TRACK (66 CREDITS)

Students interested in the art education track must also major in Secondary Education. Please contact Brad McCombs at

mccombsr1@nku.edu

Core Courses in Visual Arts (12 credits)
ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTE 380 Concepts in Art Education (3 credits) ♦
ARTE 381 Art Education: Content I (3 credits) ♦
ARTE 382 Art Education: Content II (3 credits) ♦
ARTH 454 Art Now (3 credits) ♦

Select one 300/400-level ARTH course (3 credits)

Required studio courses (21 credits)

ARTD 210 Drawing I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTM 350 Video, Installation & Sound I (3 credits) ♦

Studio Electives (15 credits)

Select one 300/400-level course in ARTH
Select four 300/400-level courses in ART, ARTA, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR, or ARTS

TOTAL CREDITS 66

ART HISTORY TRACK (48 CREDITS)

Core Courses in Visual Arts (12 Credits)
ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦

ARTD 210 Drawing I (3 credits) ♦
ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 304 Survey of Asian Art (3 credits) ♦
ARTH 355 Art of the Twentieth Century (3 credits) ♦
ARTH 454 Art Now (3 credits) ♦
Select three 300/400 ARTH courses (9 credits)

Studio electives (9 credits)

Select three courses in ART, ARTC ARTD, ARTM, ARTO, ARTP, ARTR, or ARTS (with a minimum of one 2D studio and one 3D studio)

Additional requirements (6 credits)

two semesters or high school equivalent in Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, or Spanish

Two electives in anthropology, history, philosophy, or religion (6 credits)

(consult with advisor to determine additional courses)

TOTAL CREDITS 60

PRE-ART THERAPY TRACK (45 CREDITS)

Students choosing the pre-art therapy track must complete the 12 credit-hour core plus the 45-hour studio arts pre-art therapy track. Students must take STA 205 Statistical Methods (3 credits) as a part of their degree. In addition, students must minor in psychological science. The minor requires 24 credit hours in psychological science including PSY 100 Introduction to Psychology - SB (3 credits) and any 21 additional credit hours in psychological science.

Core Courses in Visual Arts (12 credits)
ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 454 Art Now (3 credits) ♦
Select one 300/400-level ARTH course (3 credits)

Required studio courses

ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTM 350 Video, Installation & Sound I (3 credits) ♦

Studio electives (12 credits)

Select four 300/400-level courses in ART, ARTA, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR, or ARTS

TOTAL CREDITS 57

STUDIO ARTS TRACK (45 CREDITS)

Core Courses in Visual Arts (12 credits)
ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 454 Art Now (3 credits) ♦
Select one 300/400-level ARTH course (3 credits)

Required studio courses

ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTM 350 Video, Installation & Sound I (3 credits) ♦

Studio electives (12 credits)

Select four 300/400-level courses in ART, ARTA, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR, or ARTS

TOTAL CREDITS 57

VISUAL COMMUNICATION DESIGN TRACK

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

ARTD 210 Drawing I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦
ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTO 210 Photography I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTV 201 Intro to Computer Graphics for Design (3 credits) ♦
ARTV 215 Visual Communication Design (3 credits) ♦
ARTV 217 Typography I (3 credits) ♦
ARTV 283 Visual Communication Admittance Review (0 credits) ♦
ARTV 315 Visual Communication Design II (3 credits) ♦
ARTV 317 Typography II (3 credits) ♦
ARTV 330 Interaction Design for Visual Communication Design I (3 credits) ♦

ARTR 272 Printmaking I (3 credits) ♦
OR
ARTR 375 Screen Printing (3 credits) ♦

ARTV 325 Techniques in Visual Communication Design (3 credits) ♦
ARTH 321 History of Visual Communication Design (3 credits) ♦
Select one 300/400-level ARTH course (3 credits)
Select one studio elective at the 200 level or above (3 credits)
Select one studio elective at the 300 level or above (3 credits)

TOTAL CREDITS 54

Biological Sciences, B.A.

Special graduation requirements: Prior to graduation, all students majoring in biology are required to pass a comprehensive exam. This examination is designed to verify that the graduating student has at least a basic knowledge of the broad area of the biological sciences. Students will complete this requirement by registering for "BIO 491 Comprehensive Examination (0 credits)" during the senior year. Those who fail the exam will not be allowed to graduate until the exam is passed.

BIOLOGICAL SCIENCES MAJOR

Students pursuing a degree in the biological sciences may do so by choosing one of seven different tracks. These tracks allow the individual student to place an emphasis on areas of biology that they find of interest. However, the faculty of the department feel very strongly that each student completing a degree in biology must have a solid foundation in the discipline. Therefore, there is a core of courses required of all majors. A grade of *C*- or better must be earned in all biology courses that count toward completion of major requirements. The department has also identified a common core of support courses that must be completed with a *C*- or better by all biological science majors. Details concerning the biology core, support core, and each of the tracks follow.

♦ Indicates prerequisite.

Students wishing to be certified to teach biology at the secondary level should complete the B.A. General Biology Track in conjunction with a B.A. Secondary Education. Students should review the section of the catalog describing the B.A. Secondary Education track within the Department of Teacher Education.

Degree Requirements (41-47 credits)

Core Courses (22 credits)

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 155 Orientation to Biology (1 credit) ♦
BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
BIO 304 General Ecology (3 credits) ♦
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)
BIO 458 Evolution of Organisms (3 credits) ♦
BIO 491 Comprehensive Examination (0 credits) ♦

Core Courses in Other Disciplines (19-25 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Foreign language requirement (0-6 credits)

All biological science majors are required to complete the 102 level or higher of a foreign language. Students may satisfy this requirement by completing the appropriate two-course sequence in a foreign language, or via CLEP or AP exam equivalency.

GENERAL BIOLOGY TRACK (20-25 CREDITS)

BIO 304L Ecology Laboratory (1 credit) ♦
Select one course from the cellular/molecular/genetics group (3-4 credits)
Select one course from the ecology/evolution/organismal group (3-4 credits)

Complete at least 9 additional credit hours from the CMG, EEO, or general elective groups. Students may take electives from across these different groups.
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦

TOTAL CREDITS 61-72

Chemistry, B.A.

This degree is designed for those students who are interested in teaching chemistry at the high school level or for those students who will graduate with two majors. Students completing the Bachelor of Arts in chemistry are required to complete a minor or a focus if they have just one major.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (54 CREDITS)

Core Courses

CHE 125 Introduction to Chemistry & Biochemistry (1 credit) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 340 Analytical Chemistry (3 credits) ♦
CHE 340L Analytical Chemistry Laboratory (2 credits) ♦
CHE 360 Physical Chemistry I (3 credits) ♦
CHE 361 Physical Chemistry II (3 credits) ♦
CHE 362L Physical Chemistry Laboratory (2 credits) ♦
CHE 391W Chemical Information and Writing - WC (3 credits) ♦
CHE 400 Chemistry Seminar (1 credit) ♦
At least 3 additional credit hours of allowed 300-level-or-above chemistry courses (3 credits)

MAT 129 Calculus I - QR (4 credits) ♦ and
MAT 229 Calculus II (5 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦ and
MAT 227 Calculus B (3 credits) ♦ and
MAT 228 Calculus C (3 credits) ♦

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦

SECONDARY CHEMICAL EDUCATION

Students interested in a career as a high school chemistry teacher should receive a bachelor's degree and double major in both chemistry (any track) and secondary education (offered by the Teacher Preparation & Educational Studies). Students are encouraged to work closely with advisors in both departments to ensure that all requirements are met in a timely fashion.

Communication Studies, B.A.

Available in both traditional and accelerated-online formats.

The communication studies program provides: (1) a strong general background in practice, theory, history, and criticism of communicative acts; (2) opportunities for students to improve their communication skills; (3) a variety of courses to enrich the programs of students in other disciplines; (4) training for students who plan to enter professional fields such as public relations, human resources, sales, training/development, law, ministry, teaching, business, and politics; and (5) a background for graduate study in communication studies or related fields.

Students majoring in communication studies must complete 42 credit hours of study as outlined below, including " CMST 101 Public Speaking - OC (3 credits)" or " CMST 110 Introduction to Communication Studies - OC (3 credits)" for the oral communication requirement of their general education program. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

Special graduation requirements: All majors and minors must earn a letter grade of *C*- or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (39 CREDITS PLUS 3 FOUNDATION OF KNOWLEDGE CREDITS)

Foundation of Knowledge coursework (3 credits)

Students must take one of the following two courses to fulfill their Oral Communication requirement in their general education curriculum.

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

Core Courses (33 credits)

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 230 Small Group Communication (3 credits) ♦
CMST 300 Research Methods in Communication Studies (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦

CMST 310 Argumentation (3 credits) ♦
OR
CMST 340 Strategies of Persuasion (3 credits) ♦
OR
CMST 410 Rhetorical Theory and Criticism (3 credits) ♦

CMST 355 Culture and Communication (3 credits) ♦
CMST 370 Advanced Public Speaking (3 credits) ♦
CMST 430 Communication Theories (3 credits) ♦
Select two 200/300/400-level CMST courses (6 credits)
Select one CMST, DFX, EMB, HCOM, JOU, POP, PRE, or 400/500-level COM course not used as a general education course.

Professional Skills Courses (6 credits)

Select two courses from the following

BIS 101 Fundamentals of Business Computing (3 credits)
CMST 396 Internship: Communication (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦
ENG 347 Technical Writing (3 credits) ♦
ENG 349 Content Development for Web (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦
JOU 220 News Writing (3 credits) ♦
JOU 305 Science in the Media (3 credits) ♦
LDR 300 Foundations of Leadership (3 credits) ♦
MGT 205 Business Management Principles (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦

Note:

These courses may not be used to complete a minor, focus, or second major requirements. Other courses may be substituted if approved by an advisor.

Criminal Justice, B.A.

Program Coordinator: Michael Bush, Department of Political Science, Criminal Justice and Organizational Leadership

Online Program Coordinator: Alexis Miller, Department of Political Science, Criminal Justice and Organizational Leadership

Available in both traditional and fully-online formats.

The major consists of a 24-credit-hour core and 24 credit hours of additional requirements. Core courses provide a conceptual understanding of criminal justice institutions and processes, theories of crime and punishment, ethics, and social science research methods. Rather than training individuals for a particular occupation through instruction in specific vocational skills, the program offers a broad, liberal education focused on the cultivation of analytical and creative thought and on the ability to read, write, and speak effectively.

The degree is also available in a fully-online format; interested students should contact Distance and Online Learning for more information. JUS online course offerings in the fall and spring semesters are set up for students enrolled in our criminal justice online program. Thus, we *do not* give permits for face-to-face students to enroll in online restricted classes (those designated ONLR). However, depending on the enrollment numbers in the online restricted sections, and the incoming online student population, we may release some seats from the restricted sections to the online non-restricted sections (those designated ONL) immediately after the priority registration deadline and again just before classes begin. Students interested in the online section of a course must check myNKU for openings in the online non-restricted (ONL) section of those courses after priority registration and before classes begin.

At least 24 hours of JUS courses must be earned in residence at NKU. A maximum of 6 hours of JUS 496 may be counted toward the major.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (48 CREDITS)

Core Requirements

JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 200 Police in America (3 credits)
JUS 201 Corrections in America (3 credits)
JUS 203 The Criminal Court Systems (3 credits)
JUS 300 Juvenile Justice (3 credits) ♦
JUS 301 Ethics in Criminal Justice (3 credits) ♦
JUS 315 Criminal Justice Research Methods (3 credits) ♦
JUS 317 Perspectives on Crime (3 credits) ♦

Select 24 JUS credit hours from the following

15 credit hours must be at the 300 level or above. No more than 6 credit hours of JUS 496 may count towards the major.

JUS 204 Criminal Investigation (3 credits) ♦
JUS 210 Legal Research (3 credits)
JUS 231 Race, Gender and Crime - AH (3 credits)
JUS 294 Topics: Justice Studies (3 credits) ♦
JUS 302 Criminal Law (3 credits) ♦
JUS 303 Criminal Procedure (3 credits) ♦
JUS 311 Police in the Community (3 credits) ♦
JUS 312 Institutional Corrections (3 credits) ♦
JUS 313 Rights of the Convicted (3 credits) ♦
JUS 319 Criminal Justice in Film (3 credits) ♦
JUS 320 Advanced Crime Scene Technology and Criminalistics (3 credits) ♦
JUS 323 Drugs and Crime (3 credits)
JUS 333 Careers in Criminal Justice (3 credits) ♦
JUS 351 White Collar Crime (3 credits) ♦
JUS 395 Criminal Justice: Study Abroad (1-15 credits)
JUS 402 Alternatives to Incarceration (3 credits) ♦
JUS 404 Evidence Preparation and Courtroom Testimony (3 credits) ♦
JUS 405 Crime Prevention (3 credits) ♦

JUS 406 Terrorism and Homeland Security (3 Credits) ♦
JUS 407 Media, Crime, and Justice (3 credits) ♦
JUS 408 Victims and Crime (3 credits) ♦
JUS 413 Flawed Criminal Justice Policies (3 credits)
JUS 414 The Death Penalty (3 credits)
JUS 429 Women in Criminal Justice (3 credits) ♦
JUS 494 Seminar: Justice Studies (3 credits) ♦
JUS 496 Internship: Justice Studies (1-6 credits) ♦
JUS 499 Readings: Justice Studies (1-3 credits) ♦

Early Childhood Education (Birth-Kindergarten), B.A.

The early childhood education (birth to kindergarten) program leads to the Bachelor of Arts. Candidates may choose from two options to complete this degree: (1) interdisciplinary early childhood education certification track and (2) non-certification track. Students who wish to be certified to teach in Kentucky's state-funded, public school, pre-kindergarten classrooms (serving 3- to 5-year-olds with and without disabilities) or in Kentucky's early intervention system, First Steps (serving birth to 3-year-olds with disabilities), should declare a pre-major in IECE certification track. Candidates will become IECE certification track major after successful completion of the Teacher Education Program requirements. Candidates who wish to work in community childcare programs, Head Start, or Early Head Start programs, Kentucky's Quality Rating System, ALL STARS, or home visitation programs should declare major in the non-certification track.

*Those seeking the non-certification track should consult with an advisor about course requirements.

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:

Overall GPA of 2.75.
Pedagogy (EDU and EDS courses) GPA of 2.75.
Content course GPA of 2.75.
NKU coursework GPA of 2.75.
Minimum grade of C (not C-) in all education (EDS / EDU) courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS

Core Courses (45 credits)

EDU 301 Interpersonal Interaction and Guidance (3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
EDU 320 Family Engagement in the Home, School and Community (3 credits)
EDU 500 Core Principles of Early Childhood Edu (3 credits)
EDU 550 Current Trends in Early Childhood Education (3 credits)
EDU 551 Preschool Education and Programming (3 credits) ♦
EDU 552 Infant Toddler Education and Programming (3 credits)
EDU 554 Language Development and Emergent Literacy (3 credits)
EDU 565 Early Childhood Assessments for Screening (3 credits)
EDU 566 Ongoing Assessment in Early Childhood Education (3 credits) ♦
EDU 567 Math and Science Exploration PreK-3rd (3 credits)
EDU 568 Administration and Supervision in Early Childhood Education (3 credits) ♦
EDU 569 Kindergarten Education and Programming (3 credits)
EDS 360 Students with Exceptionalities in School (3 credits) ♦
EDS 562 Early Childhood Special Education Programs (3 credits) ♦

IECE Certification Track

PSY 100 Introduction to Psychology - SB (3 credits)
CMST 101 Public Speaking - OC (3 credits)
Select two ENG courses (may be met through general education requirements) (6 credits)
*These courses fulfill general education requirements in Individual and Society, Oral Communication, and Natural Science.

EDU 104 Orientation: Education Profession/Program (1 credit)
*EDU 104 is a prerequisite course for all other EDU and EDS courses, except EDU 300 and EDS 360.
EDU 300 Human Growth and Development (3 credits) ♦
EDU 303 Admission Field Experience IECE (2 credits) ♦
EDU 305 Introduction to Education (2 credits) ♦
EDU 313 Instructional Technology (3 credits) ♦
EDU 395 IECE Field Experience I (3 credits) ♦
EDU 397 IECE Field Experience II (3 credits) ♦
EDU 491 Clinical Experience in IECE (12 credits) ♦
EDS 362 Applied Behavior Analysis for Students with Disabilities (3 credits)
EDS 551 Assistive Technology in the Classroom (3 credits)
EDS 570 Working with Families of Students with Disabilities (3 credits) ♦

Total Credits Vary

Non-Certification Track

Special graduation requirements: At the time of graduation, all students must have successfully completed all required education (EDS/EDU) courses with a grade of *C* or better and have attained a minimum GPA of 2.5.

EDU 490 Non-certification Final Field Experience (6 credits) ♦
Electives (32 credits)
See advisor for recommended list of electives.

Total Credits (38 credits)

Education, Culture and Society, B.A.

This new program prepares students to understand and analyze formal and non-formal education at all levels and life stages. The

program does not lead to teaching certification, it positions graduates for employment in educational institutions, government and community agencies, and non-profit and corporate agencies.

CORE COURSES (26 CREDIT HOURS)

EDU 104 Orientation: Education Profession/Program (1 credit)
EDU 300 Human Growth and Development (3 credits) ♦
EDU 305 Introduction to Education (2 credits) ♦
EDU 313 Instructional Technology (3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
EDU 350 Instructional Design (3 credits) ♦
EDU 592 Educational Capstone Seminar (3 credits) ♦
EDS 360 Students with Exceptionalities in School (3 credits) ♦
EDS 362 Applied Behavior Analysis for Students with Disabilities (3 credits)
And one of
EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
Or
EDU 530 Reading in Middle and Secondary Schools (1.5-3 credits)
If students are exempted from any core classes then they must complete courses listed below such that the total core hours adds up to 26 credit hours.
EDU 334 Portfolio Development (1 credit)
PSY 344 Industrial/Organizational Psychology (3 credits) ♦
UNV 101 Orientation to College and Beyond (1-3 credits) ♦

TRACKS (36 CREDIT HOURS)

Students must select 36 hours from the tracks as follows. They must either select two tracks from the first three tracks below, taking 18 hours in each track, or select two tracks form the first three tracks below, taking 24 hours in one track and 12 hours in the other. Alternatively, students may select the Teaching and Learning track but only with permission of the program director. Students selecting this track must meet the admissions requirements to the Teacher Education program.

Some courses are listed in multiple tracks but if taken can only fulfill one track (at the student's choice).

Youth, Family and Community

Select either 24 or 12 hours from the following (if you select this track)

ASL 110 Beginning American Sign Language I (3 credits)
ASL 111 Beginning American Sign Language II (3 credits) ♦
ASL 201 American Sign Language III (3 credits) ♦
ASL 202 American Sign Language IV (3 credits)
ASL 326 Deaf Culture and Community (3 credits) ♦
ASL 327 Deaf History in America (3 credits) ♦
ASL 400 Aspects of Deaf Life (3 credits) ♦
ANT 307 Museum Methods (3 credits) ♦
ANT 311 Museums in Contemporary Society (3 credits) ♦
ANT 320 Religion and Culture (3 credits) ♦
CMST 220 Interpersonal Communication (3 credits) ♦
CMST 345 Family Communication (3 credits) ♦
EDU 320 Family Engagement in the Home, School and Community (3 credits)
EDU 445 Introduction to Environmental Education (3 credits) ♦
EDU 446 Strategies for Environmental Education (3 credits) ♦
EDU 447 Outdoor Learning Environments (3 credits) ♦
EDU 448 Teaching about Environmental Issues (3 credits) ♦
EDU 522 The Mindful Helping Professional (1-4 variable credits) ♦
EDU 523 The Mindful Leader (3 Credits)
HCOM 315 Sociocultural Aspects of Health (3 credits) ♦
HEA 370 Community Health (3 credits)
HEA 320 Drug and Alcohol Education (3 credits) ♦
HSR 303 Multicultural Issues in Human Services (3 credits)
JUS 300 Juvenile Justice (3 credits) ♦
PHI 300 Ethics and Social Responsibility (3 credits) ♦
PHI 360 Environmental Philosophy (3 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits) ♦
REL 303 Survey of New Testament (3 credits) ♦
REL 304 Jesus (3 credits) ♦
REL 305 Islam (3 credits) ♦
WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)

Diversity and Social Justice

Select either 24 or 12 hours from the following (if you select this track)

ANT 201 World Cultures - SB (3 credits)
ANT 320 Religion and Culture (3 credits) ♦
ANT 330 Sex, Gender, and Culture (3 credits) ♦
ASL 110 Beginning American Sign Language I (3 credits)
ASL 111 Beginning American Sign Language II (3 credits) ♦
ASL 201 American Sign Language III (3 credits) ♦
ASL 202 American Sign Language IV (3 credits)
ASL 326 Deaf Culture and Community (3 credits) ♦
ASL 327 Deaf History in America (3 credits) ♦
ASL 400 Aspects of Deaf Life (3 credits) ♦
BLS 100 Introduction to Black Studies - SB (3 credits)
CMST 335 Communication and Conflict (3 credits) ♦
CMST 345 Family Communication (3 credits) ♦
CMST 355 Culture and Communication (3 credits) ♦
EDU 540 Teaching the Underground Railroad (3 credits)
EMB 105 Media in a Diverse Society - SB (3 credits)
ENG 213 Global Viewpoints in Literature - AH (3 credits)
ENG 217 African-American Literature to 1940 (3 credits) ♦
ENG 218 African-American Literature 1940-Present (3 credits) ♦
HIS 200 Poverty, Prosperity, and Opportunity - SB (3 credits)
HIS 383 American Immigration History (3 credits) ♦
HIS 388 Recent US History, 1975- Present (3 credits) ♦
HIS 418 Researching Underground Railroad History (3 Credits)
HIS 428 History of American Popular Culture (3 credits) ♦

HIS 445 History of Women in the U.S. since 1900 (3 credits) ♦
JUS 231 Race, Gender and Crime - AH (3 credits)
PHI 309 Global Ethics (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
REL 352 Women and Religion (3 credits) ♦
SOC 355 Sociology of the Environment (3 credits)
WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)

Workforce Development

Select either 24 or 12 hours from the following (if you select this track)

BUS 101 Introduction to Business (1 credits)
BUS 230 Legal Environment (3 credits) ♦
CMST 220 Interpersonal Communication (3 credits) ♦
CMST 230 Small Group Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
CMST 310 Argumentation (3 credits) ♦
CMST 317 Gender and Communication (3 credits) ♦
WGS 317 Gender and Communication (3 credits) ♦
ENG 348 Editing and Content Development (3 credits) ♦
ENG 349 Content Development for Web (3 credits) ♦
HIS 200 Poverty, Prosperity, and Opportunity - SB (3 credits)
HIS 431 Historical Themes in African-American History (3 credits) ♦
LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
LDR 385 Teamwork in Organizations (3 credits) ♦
LDR 205 Human Relations in Organizations (3 credits)
LDR 315 Leading People in Organizations (3 credits) ♦
MGT 205 Business Management Principles (3 credits) ♦
MGT 240 Managerial Communication (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 320 Managing a Diverse Workforce (3 credits) ♦
MGT 330 Negotiation and Conflict Resolution (3 credits) ♦
PHI 308 Professional Ethics (3 credits) ♦
WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)
WGS 310 Gender in the Workplace (3 credits) ♦

Teaching and Learning

Prior approval is required before taking courses in this track.

Students must complete one of the following lists of courses. The lists pertain to other majors' requirements and are here for students changing from one of these other majors into this major.
Elementary Education: EDU 307, EDU 313, EDS 360, EDU 302, EDU 310, EDU 314, EDS 322, EDU 388, EDU 306, EDU 308, EDU 312, EDU 315, EDU 389, EDU 495

Middle Grades Education: EDU 309, EDU 313, EDS 360, EDU 304, EDS 323, EDU 344, EDU 391, EDU 318 ,EDU 343, EDU 394, EDU 495

Secondary Education: EDU 311, EDU 313, EDS 360, EDU 319, EDS 324, EDU 324, EDU 393, EDU 325, EDU 396, EDU 496

Special Education: EDS 364, EDS 365, EDS 561, EDS 570, EDS 572, EDS 362, EDS 464, EDS 472, EDS 473, EDU 492, EDU 493, EDU 497

IECE (certification track): EDU 303, EDU 313, EDS 360, EDU 395, EDU 397, EDU 301, EDU 302, EDU 500, EDU 550, EDU 551, EDU 552, EDU 554, EDU 565, EDU 566, EDU 567, EDU 568, EDU 569, EDS 362, EDS 551, EDS 562, EDS 570, EDU 491

EDU 445 Introduction to Environmental Education (3 credits) ♦
EDU 446 Strategies for Environmental Education (3 credits) ♦
EDU 447 Outdoor Learning Environments (3 credits) ♦
EDU 448 Teaching about Environmental Issues (3 credits) ♦
EDU 517 Teaching of Phonics in Elementary/Middle (3 credits) ♦

Electronic Media & Broadcasting, B.A.

The electronic media & broadcasting program fully embraces the department's academic-and-applied mantra by developing our students' skills as electronic storytellers. Students will build their stories upon the theoretical and aesthetic foundations that define effective media, learning to write and create content from podcasts to corporate video to documentaries to live television to digital cinema and more. Successful students will graduate with the conceptual proficiencies and practical skills to build a body of work, showcasing individual achievement in preparation for roles in creating informative, responsible and compelling media.

Students majoring in electronic media and broadcasting must complete 55-61 credit hours of study as listed below, including " CMST 101 Public Speaking - OC (3 credits)" or " CMST 110 Introduction to Communication Studies - OC (3 credits)" for the oral communication requirement of the general education program, and " EMB 100 Media Literacy - AH (3 credits)" for a culture and creativity requirement of the general education program. It is the policy of the School of Media and Communicationt that the courses offered by the school(CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

Special graduation requirements: All majors and minors must earn a letter grade of *C*- or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (54-60 CREDITS, PLUS 6 FOUNDATION OF KNOWLEDGE CREDITS)

Foundation of Knowledge coursework (6 credits)

Take one of the two CMST courses below to fulfill the Oral Communication requirement and take the EMB course to fulfill a culture and creativity requirement.

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

EMB 100 Media Literacy - AH (3 credits)

Core Courses (30 credits)

EMB 101 Electronic Media Appreciation 1 (1 credit)
EMB 102 Electronic Media Production Assistance 1 (1 credit) ♦
EMB 110 Introduction to Mass Media (3 credits)
EMB 140 Introduction to Media Aesthetics (3 credits)
EMB 201 Media Appreciation and Assistance 2 (1 credit) ♦
EMB 210 Single Camera Production (3 credits) ♦
EMB 215 Audio Production (3 credits) ♦
DFX 221 Visual Fundamentals for Digital Media (3 credits) ♦
EMB 260 Writing for the Media (3 credits) ♦

EMB 335 Sports Media Production (3 credits) ♦
OR
EMB 396 Internship: Electronic Media and Broadcasting (3-6 credits) ♦
OR
EMB 397 Projects (3 credits) ♦

EMB 400 Media Criticism (3 credits) ♦
EMB 435 Media Studies (3 credits) ♦

Studies (3 credits)

Select one course from the following

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
EMB 340 Film Festivals (3 credits)
EMB 380 Documentary Theory and History (3 credits) ♦
PSY 304 Consumer Psychology (3 credits) ♦

Content Creation (12 credits)

Select four courses from the following

EMB 305 Multicamera Video Production (3 credits) ♦
EMB 308 Electronic News Gathering (3 Credits) ♦
EMB 310 Newscast Production (3 credits) ♦
EMB 320 Multitrack Audio Mixing (3 credits) ♦
EMB 322 Video Editing (3 credits) ♦
EMB 326 Digital Compositing (3 credits) ♦
EMB 330 Live Broadcast Production (3 Credits) ♦
EMB 421 Narrative Directing (3 credits) ♦
EMB 423 Documentary Production (3 credits) ♦
EMB 424 Digital Cinema Projects (3 credits) ♦
EMB 450 Screenwriting (3 credits) ♦
DFX 426 Advanced Digital Compositing (3 credits) ♦

Law/Ethics (3 credits)

Select one course from the following

EMB 460 Production Management (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦
LIN 405 Intellectual Property and Information Rights (3 credits) ♦

Select one 300-or 400-level College of Informatics course (3 credits)

(ASE, BIS, CIT, CMST, CSC, CYS, DFX, DSC, EMB, HCOM, HIN, INF, JOU, LIN, POP, or PRE)

International Media (3-9 credits)

Select one Study Abroad/Away course or three International Studies courses.

Study Abroad/Away (3 credits)

EMB 395 Special Topics: Study Away (3 credits) ♦
OR
EMB 495 Special Topics: Study Abroad (1-3 credits) ♦

International Studies (9 credits)

With consultation of advisor, select three courses focusing upon international study. Possible courses include the following

ANT 201 World Cultures - SB (3 credits) (cannot be used for general education)
ANT 358 Art and Culture (3 credits) ♦
ANT 382 Visual Anthropology (3 credits) ♦
ANT 386 Economy, Wealth and Culture (3 credits) ♦
CIN 301 Survey of World Cinema (3 credits)
CMST 355 Culture and Communication (3 credits) ♦
EMB 370 International Media (3 credits) ♦
HIS 111 Global Viewpoints in History - AH (3 credits) (cannot be used for general education)
PHI 309 Global Ethics (3 credits) ♦
POP 250 International Popular Culture - AH (3 credits) (cannot be used for general education)
PSC 322 International Politics in Film (3 credits) ♦
PSC 410 International Political Economy (3 credits) ♦
PSC 480 International Law (3 credits) ♦
SOC 101 Global Inequalities - SB (3 credits) (cannot be used for general education)

Elementary Education (P-5), B.A.

The elementary education (P-5) program leads to the Bachelor of Arts. The advising process is particularly crucial for teacher education students. Students wishing to enroll in the elementary education program must follow the admission guidelines for teacher education programs outlined by the College of Education and Human Services. It is suggested that freshmen or other interested students declare a pre-major in elementary education. This procedure will result in assignment to a teacher education advisor familiar with the current curricular and admission

requirements and with any impending changes that may occur prior to the student's admission semester. Upon successful completion of this program, the graduate will qualify for an institutional recommendation for a Kentucky Provisional Certificate for teaching in the elementary grades (P-5).

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:
Overall GPA of 2.75.
Pedagogy (EDU and EDS courses) GPA of 2.75.
Content course GPA of 2.75.
NKU coursework GPA of 2.75.
Minimum grade of C (not C-) in all education (EDS / EDU) courses.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (101 CREDITS)

Core Courses (56 credits)

EDU 104 Orientation: Education Profession/Program (1 credit)
EDU 104 is a prerequisite course for all other EDU and EDS courses except EDU 300 and EDS 360.
EDU 300 Human Growth and Development (3 credits) ♦
EDU 302 Teaching of Reading (3 credits) ♦
EDU 305 Introduction to Education (2 credits) ♦
EDU 306 Teaching Elementary School Mathematics (3 credits) ♦
EDU 307 Admission Field Experience Elementary (2 credits) ♦
EDU 308 Teaching Elementary School Science (3 credits) ♦
EDU 310 Teaching Language Arts in Early Grades (3 credits) ♦
EDU 312 Teaching Social Studies in Early Grades (3 credits) ♦
EDU 313 Instructional Technology (3 credits) ♦
EDU 314 Classroom Management (3 credits) ♦
EDU 315 Educational Assessment: Elementary Schools (2 credits)
EDU 316 Education in a Multicultural Society - SB (3 credits)
EDU 388 Elementary Field Experience I (2 credits) ♦
EDU 389 Elementary Field Experience II (2 credits) ♦
EDU 494 Clinical Experience Elementary (12 credits) ♦
EDS 322 Instructional Planning for Inclusive Elementary Classrooms (3 credits) ♦
EDS 360 Students with Exceptionalities in School (3 credits) ♦

Courses in Other Disciplines (45 credits)

PSY 100 Introduction to Psychology - SB (3 credits) *
CMST 101 Public Speaking - OC (3 credits) *
STA 113 Probability and Statistics with Elementary Education Applications - QR (3 credits) ♦ *
BIO 120 Understanding the Living World - NS (4 credits) ♦ *
BIO 120L Understanding the Living World Laboratory - SL (0 credits) *
SCI 110 Integrative Science - SL (4 credits) ♦ *
ENG 102 Writing and Research - WC (3 credits) ♦ *
ARTE 280 Art for Elementary Education (3 credits) ♦
ENG 386 Children's Literature (3 credits) ♦
HEA 250 Health Education for Elementary Teachers (2 credits) ♦
MAT 140 Arithmetic Structures for Elem. Teachers (3 credits) ♦
MAT 141 Geometry I for K-8 Teachers (3 credits) ♦
MUS 260 Music Fundamentals and Skills for Classroom Teachers (3 credits) ♦
PHE 250 Physical Education for Elementary Teachers (2 credits) ♦
Electives (6 credits)
Prerequisite for Professional Semester II: One HIS course and one GEO course

Elementary Education with Special Education

Students pursuing an elementary education major may also choose to concurrently complete a second major in special education. For courses leading to certification in special education, refer to the Bachelor of Arts with a major in special education program description.

Note:

*These courses fulfill general education requirements in Individual and Society, Oral Communication, Mathematics and Statistics, and Natural Science.

English, B.A.

The Bachelor of Arts is conferred upon students completing a major in English. The English major consists of a minimum of 51 credit hours, including 27 credit hours from the core courses plus 24 credit hours in one of the five program tracks: creative writing, English education, literary and cultural studies, writing studies, and open focus.

See Special Requirements, including Foreign Language requirement (see Department of English)

Special graduation requirements: To graduate, a student must earn a grade of C or higher in every course used to fulfill the major or minor requirements in English, including courses used to fulfill the foreign language requirement. All English majors are required to demonstrate (1) intermediate-level proficiency in a foreign language previously spoken or used to satisfy the NKU entrance requirement or (2) novice-level proficiency in a second foreign language. Students can demonstrate intermediate-level proficiency by either completing the appropriate 200-level course in the language studied in high school or by attaining an acceptable score on the CLEP test in that language. Students can demonstrate novice-level proficiency by completing two semesters of a language not previously studied or spoken.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (51 CREDITS)

Core Courses for ALL Majors (27 credits)

ENG 250 Introduction to English Studies (3 credits) ♦
ENG 200 Understanding Literature - AH (3 credits)
ENG 204 Introduction to Writing Studies (3 credits) ♦
ENG 307 Diverse Voices in English Studies (3 credits) ♦

Select one survey sequence from the following (6 hours)

British

ENG 202 Survey of British Literature I (3 credits) ♦
ENG 203 Survey of British Literature II (3 credits) ♦

American

ENG 208 Survey of American Literature I (3 credits) ♦
ENG 209 Survey of American Literature II (3 credits) ♦

Select one of the following (3 credits)

ENG 231 Introduction to Creative Writing - AH (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦

Select one of the following (3 credits)

ENG 350 Critical Theory (3 credits) ♦
ENG 351 Rhetorical Theories & Writing Practices (3 credits) ♦

Select one of the following (3 credits)

ENG 323 Writers in Context (3 credits) ♦
ENG 335 Craft of Creative Writing (3 credits) ♦

ALL MAJORS MUST FOLLOW ONE OF THE FOLLOWING FIVE TRACKS:

Creative Writing Track (24 credits)

The creative writing track gives students background in the three major areas of creative writing studies. Students in this track receive workshop experience in specific fields.

Creative Writing - Group A (9 credits)

Students must take three courses (9 credits) from this group.

ENG 332 Fiction Writing (3 credits) ♦
ENG 334 Poetry Writing (3 credits) ♦
ENG 336 Creative Nonfiction Writing (3 credits) ♦

Creative Writing - Group B (6 credits)

Students must choose two courses (6 credits) from this group.

ENG 358 Writing in Creative Genres (3 credits) ♦
ENG 431 Screenwriting (3 credits) ♦
ENG 432 Novel Writing (3 credits) ♦

Creative Writing - Group C (6 credits)

Students must choose two courses (6 credits) from this group.

ENG 430 Advanced Poetry Writing (3 credits) ♦
ENG 542 Teaching and Practice/Creative Writing (3 credits) ♦
ENG 584 Literary Publishing and Editing (3 credits) ♦
ENG 434 Advanced Fiction Writing (3 credits) ♦
ENG 436 Advanced Creative Nonfiction Writing (3 credits) ♦

Creative Writing - Capstone (3 credits)

Students must take ENG 450 (3 credits).

ENG 450 Capstone in English Studies (3 credits) ♦

Total Credits 51

English Education Track (24 credits)

The English with Secondary Education Certification degree is a double major. Students who plan to teach high school English must declare a major in English with the Department of English and a major in Secondary Education with the Department of Teacher Education. Students pursuing this degree should review the portions of this catalog relating to both major programs. Upon deciding to pursue this program, students must schedule appointments with an advisor in the Department of English and an advisor in the College of Education and Human Services. There are specific Foundation of Knowledge requirements for this degree. Students pursuing this degree do not need to declare a minor or area of focus.

♦ Indicates prerequisite.

English Education Track - Group A (6 credits)

English Education students must take ENG 202 and ENG 203 in the core of the major to fulfill certification requirements.

Students must select two survey courses (6 credits) they did not use to fulfill core requirements, either ENG 208 or ENG 217 and either ENG 209 or ENG 218.

ENG 208 Survey of American Literature I (3 credits) ♦
OR
ENG 217 African-American Literature to 1940 (3 credits) ♦

ENG 209 Survey of American Literature II (3 credits) ♦
OR
ENG 218 African-American Literature 1940-Present (3 credits) ♦

English Education Track - Group B (6 credits)

Students must select two survey courses (6 credits): Either ENG 206 or ENG 207 and either ENG 308 or ENG 309.

ENG 206 Western World Literature I (3 credits) ♦
OR
ENG 207 Western World Literature II (3 credits) ♦

ENG 308 Shakespeare I (3 credits) ♦
OR
ENG 309 Shakespeare II (3 credits) ♦

English Education Track - Group C (9 credits)

Students must select one of two courses (3 credits) and then complete two additional courses (6 credits) for a total of three courses (9 credits).

Students must select either ENG 381 or ENG 382, and they must complete ENG 535 and ENG 537.

ENG 381 Introduction to Linguistics (3 credits) ♦
OR
ENG 382 History of the English Language (3 credits) ♦

ENG 535 Teaching High School Writing (3 Credits) ♦
ENG 537 Teaching High School Literature (3 Credits) ♦
The Clinical Teaching semester serves as the English Education track capstone experience.

Total Credits 51

Literary and Cultural Studies Track (24 credits)

The Literature and Cultural Studies track assures that all students will take twelve hours of survey courses between the core and the track, enhancing their historical foundation in literary and cultural studies. With three distribution requirements plus a capstone, students can meet requirements in the track while at the same time preserving an emphasis on historical breadth in students' literature and cultural studies educations. This track includes a senior seminar option as well as an internship option to the capstone with an eye toward preparing students for post-graduation endeavors such as graduate school or employment.

Literary and Cultural Studies Track - Group A (6 credits)

Students must select two survey courses (6 credits) they did not use to fulfill core requirements.

ENG 202 Survey of British Literature I (3 credits) ♦
ENG 203 Survey of British Literature II (3 credits) ♦
ENG 206 Western World Literature I (3 credits) ♦
ENG 207 Western World Literature II (3 credits) ♦
ENG 208 Survey of American Literature I (3 credits) ♦
ENG 209 Survey of American Literature II (3 credits) ♦
ENG 217 African-American Literature to 1940 (3 credits) ♦
ENG 218 African-American Literature 1940-Present (3 credits) ♦

Literary and Cultural Studies Electives (15 credits)

Choose five upper-division literary and cultural studies courses.

ENG 300 American Women Poets (3 credits) ♦
ENG 301 American Novel (3 credits) ♦
ENG 308 Shakespeare I (3 credits) ♦
ENG 309 Shakespeare II (3 credits) ♦
ENG 322 Literature and Sexuality (3 credits) ♦
ENG 323 Writers in Context (3 credits) ♦
ENG 326 Literature and the Environment (3 credits) ♦
ENG 355 Contemporary Literature (3 credits) ♦
ENG 368 The Graphic Novel (3 credits) ♦
ENG 380 Studies in Literature and Other Arts (3 credits) ♦
ENG 384 Modern Poetry (3 credits) ♦
ENG 394 Topics (3 credits) ♦
ENG 401 Chaucer (3 credits) ♦
ENG 402 Middle English Literature (3 credits) ♦
ENG 403 Old English (3 credits) ♦
ENG 404 Arthurian Legend (3 credits) ♦
ENG 418 Gender and Early Modern Literature (3 credits) ♦
ENG 420 Pre 1800 Exploration/Travel Literature (3 credits) ♦
ENG 421 Restoration and Eighteenth Century Literature (3 credits) ♦
ENG 422 Studies in Eighteenth Century Literature (3 credits) ♦
ENG 451 British Romanticism (3 credits) ♦
ENG 452 Victorian Literature (3 credits) ♦
ENG 455 British Narrative Fantasy (3 credits) ♦
ENG 456 The Gothic in Literature and the Arts (3 credits) ♦
ENG 461 Nineteenth Century American Literature (3 credits) ♦
ENG 462 Modern American Literature (3 credits) ♦
ENG 467 Studies in African-American Literature (3 credits) ♦
ENG 470 Twentieth Century British Novel (3 credits) ♦
ENG 472 Studies in British Modernism (3 credits) ♦
ENG 475 Post-Colonial Literature and Theory (3 credits) ♦
ENG 477 Irish Literary Renaissance (3 credits) ♦
ENG 570 American Folklore (3 credits) ♦

Literary and Cultural Studies Track - Capstone (3 credits)

Students must choose one course (3 credits) from this group.

ENG 450 Capstone in English Studies (3 credits) ♦
ENG 496 Internship: Various (1-3 credits) ♦

Total Credits 51

Writing Studies Track (24 credits)

The Writing Studies track includes a technology requirement for Writing Studies students as well as a transdisciplinary component, both of which are intended to prepare Writing Studies students for career opportunities they might seek after graduation. Additionally, the Writing Studies track has an internship option for its students' capstone experience.

Writing Studies - Group A (12 credits)

Students must choose four courses (12 credits) from this group. All courses must be different from those taken in core or in group C; ENG 394 topic must be approved by department chair as a Writing Studies course.

ENG 331 Persuasive Writing (3 credits) ♦
ENG 338 Writing for Social Change (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦
ENG 347 Technical Writing (3 credits) ♦
ENG 348 Editing and Content Development (3 credits) ♦
ENG 349 Content Development for Web (3 credits) ♦
ENG 371 Traditional Grammar (3 credits) ♦
ENG 381 Introduction to Linguistics (3 credits) ♦
ENG 394 Topics (3 credits) ♦ (if approved by dept. as Writing Studies)
ENG 496 Internship: Various (1-3 credits) ♦ (if not taken as Group C credits)
ENG 497 Projects: Writing (1-3 credits) ♦
ENG 544 Research/Methods in Professional Writing (3 credits) ♦
ENG 546 Grant Writing (3 credits) ♦
ENG 556 Composition Theories (1-3 credits) ♦

Writing Studies - Group B (3 credits)

Students must choose one course (3 credits) from this group.

ARTV 101 Adobe Creative Cloud: Vis. Design Basics (3 credits)
BIS 101 Fundamentals of Business Computing (3 credits)

INF 128 Principles of Informatics - SB (3 credits)

Writing Studies - Group C (6 credits)

Writing Studies inherently involves connections to other fields; therefore, the courses in this group are intended to enable students to enhance these transdisciplinary connections.

The courses taken to fulfill this requirement must be *in addition* to those taken to fulfill the core, Group A, the capstone, an area of focus, or a minor.
ENG courses counted towards general education requirements cannot be used to fulfill this requirement.
Courses on the lists below taken as part of a double major outside of ENG can be counted towards both majors

Select 6 credit hours from *any combination* of courses from any of the following. (The categories are for organizational purposes only.)

English courses

Any additional 300, 400, or 500-level ENG course not used to fulfill any other requirement, including general education requirements.

Professional writing-related courses:
CMST 403 Health Communication (3 credits) ♦
ENTP 305 Introduction to Entrepreneurship (3 credits) ♦
JOU 220 News Writing (3 credits) ♦
JOU 321 Digital Publishing (3 credits) ♦
JUS 210 Legal Research (3 credits)
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 306 Project Management (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
MKT 308 Integrated Marketing Communications (3 credits) ♦
MKT 370 Social and Digital Marketing (3 credits) ♦
SPB 309 Sports and Events Public Relations (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
Rhetoric/Composition-related courses:
PHI 306 Philosophy and Science (3 credits) ♦
PSC 312 Modern Ideologies (3 credits) ♦
SOC 334 Contemporary Sociological Theory (3 credits) ♦
SOC 360 Technology and Social Change (3 credits) ♦
SOC 425 Political Sociology (3 credits) ♦
WGS 310 Gender in the Workplace (3 credits) ♦
WGS 317 Gender and Communication (3 credits) ♦

Writing Studies - Capstone (3 credits)

Students must choose one course (3 credits) from this group.

ENG 450 Capstone in English Studies (3 credits) ♦
ENG 496 Internship: Various (1-3 credits) ♦

Open Focus Track (24 credits)

The Open Focus track provides choice and flexibility for students who wish to combine courses from across the range of English studies to meet their unique needs and interests.

Capstone Experience (3 credits)

Students take one of the following two classes.

ENG 450 Capstone in English Studies (3 credits) ♦
ENG 496 Internship: Various (1-3 credits) ♦

Electives (21 credits)

Students choose 21 credit hours of English courses at the 300-, 400- and 500-level from courses not used to fulfill any other requirements, including general education requirements.

Environmental Science, B.A.

Location: Herrmann Science Center 204D
Telephone: 859-572-5110
Fax: 859-572-5639
Email Address: envs@nku.edu
Web Address: https://nku.edu/academics/artsci/programs/undergraduate/environmentalscience.html
Program Director: Kristine N. Hopfensperger, Department of Biological Sciences
Other Faculty: Chris Curran, Sydney Oluoch, Allison Parker, Yingying Xie

The B.A. in environmental science is a transdisciplinary program focused on understanding environmental science from an integrated socio-ecological perspective and is designed to prepare students for future careers that require a broad understanding of environment using a transdisciplinary skillset. The B.A. degree places a greater emphasis on social and behavioral science, humanities, art, health, communication, and leadership skills than the B.S. degree option, while including a set of core courses in science and math. The inclusion of research or internship experience enables students to gain expertise and experience working towards solutions of current environmental problems. Students graduating with a B.A. in environmental science are well equipped for careers in advocacy, administration, community healthcare, public relations, social and behavioral science research, and sustainability planning.

You should also know: The degree of Bachelor of Arts in environmental science will be conferred upon all students who complete all of the following course requirements with a grade of C- or better.

♦ Indicates prerequisite

DEGREE REQUIREMENTS (75-79 CREDITS)

Students earning a B.A. in environmental science must complete the core curriculum (51-52 credit hours), two methods/skills courses (6 credit hours), and one of the four track options (18-20 credit hours; B.A. total of 75-78 credit hours), while earning a C- or higher in all courses.

Core Courses (51-52 credits)

ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)
ENV 115 Orientation to Environmental Science Careers (1 credit)
ENV 130 Water and People - NS (3 credits) ♦
ENV 308 Science Communication (3 Credits) ♦

ENV 396 Internship: Environmental Science (3 credits) ♦
OR
ENV 492 Directed Research: Environmental Science (1-3 credits) ♦

ENV 493 Seminar: Environmental Science (1 credit) ♦
GLY 120 This Dangerous Earth - SB (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
BIO 304 General Ecology (3 credits) ♦
BIO 304L Ecology Laboratory (1 credit) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

GEO 306 Environmental Resource Management (3 credits) ♦
OR
GEO 418 Geographic Information Systems (4 credits) ♦

PHI 360 Environmental Philosophy (3 credits) ♦
LDR 460 Leading in Diverse and Global Contexts (3 credits) ♦

SOC 355 Sociology of the Environment (3 credits)
OR
ANT 345 Environmental Anthropology (3 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Methods and Skills Courses (6 credits)

ANT 325 Applied Anthropology (3 credits) ♦
ANT 340 Ethnographic Methods and Research (3 credits) ♦
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
BIO 342 Biometry (3 credits) ♦
ENG 546 Grant Writing (3 credits) ♦
ENV 332 Visualizing Environmental Data in R (3 credits)
GEO 314 Maps and Map Interpretation (3 credits) ♦
GEO 415 Cartography (3 credits) ♦
GEO 419 Remote Sensing of Environment (3 credits) ♦
GEO 518 Geographic Information Analysis (3 credits) ♦
LDR 315 Leading People in Organizations (3 credits) ♦
LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
LDR 385 Teamwork in Organizations (3 credits) ♦
PAD 420 Managing the Not-For-Profit Organization (3 credits) ♦
PAD 511 Budgeting Techniques and Applications (3 credits) ♦
PHI 302 Ethics and Scientific Research (3 credits) ♦
PRE 385 Public Relations Research Methods (3 credits) ♦
SOC 319 Managing and Analyzing Databases (3 credits) ♦
SOC 320 Social Research (3 credits) ♦
SOC 322 Qualitative Research Methods (3 credits) ♦

Student must choose from one of the four tracks below:

Each track is 18-20 credits. Student must complete a minimum of 15 credit hours at or above the 300-level within chosen track.

Track 1: Nature, Culture, and Social Justice (18 credits)

Choose six courses from the following list.

* If not taken in core

ANT 309 Peoples of Africa (3 credits) ♦
ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 330 Sex, Gender, and Culture (3 credits) ♦
ANT 345 Environmental Anthropology (3 credits) ♦ *
ANT 372 Peasant Societies (3 credits) ♦
ANT 386 Economy, Wealth and Culture (3 credits) ♦
ENG 316 Social Issues in Literature - AH (3 credits) ♦
ENG 326 Literature and the Environment (3 credits) ♦
ENG 338 Writing for Social Change (3 credits) ♦
ENV 324 Disease Ecology and Human Health (3 credits) ♦
GEO 309 Environmental History: American Landscape (3 credits) ♦
GEO 422 Landscape Preservation & National Parks (3 Credits)
PSC 445 Sustainability (3 credits) ♦
SOC 345 Native American Social Issues (3 credits) ♦
SOC 355 Sociology of the Environment (3 credits) *
SOC 371 Environment, Society, and Public Health (3 Credits) ♦
SWK 204 Social Work Ethics (3 credits)

Track 2: Urban Sustainability (18-20 credits)

Must take ENV 408 (Ecology of the City) and ENV 408L and choose five courses from the following list:

* If not taken in core

ENV 332 Visualizing Environmental Data in R (3 credits)
ENV 408 Ecology of the City (4 credits) ♦
ANT 345 Environmental Anthropology (3 credits) ♦ *
CMGT 323 Land Planning and Development (3 credits) ♦
CMGT 425 Sustainable Construction (3 Credits) ♦
CMST 340 Strategies of Persuasion (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
GEO 306 Environmental Resource Management (3 credits) ♦ *
GEO 309 Environmental History: American Landscape (3 credits) ♦
GEO 340 Sustainable Food Systems (3 credits) ♦
GEO 345 Geography of Natural Hazards (3 credits) ♦

GEO 418 Geographic Information Systems (4 credits) ♦ *
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 306 Project Management (3 credits) ♦
PAD 560 Planning and Community Development (3 credits) ♦
PAD 561 Local Economic Development (3 credits) ♦
PAD 582 Emergency Management (3 credits) ♦
SOC 371 Environment, Society, and Public Health (3 Credits) ♦
SOC 400 Urban Society (3 credits) ♦
SOC 415 Sociology of Planning and Development (3 credits) ♦

Track 3: Environmental Communication (18 credits)

Choose six courses from the following list.

CMST 230 Small Group Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
CMST 330 Political Communication (3 credits) ♦
CMST 340 Strategies of Persuasion (3 credits) ♦
CMST 370 Advanced Public Speaking (3 credits) ♦
CMST 381 Computer-Mediated Communication (3 credits) ♦
EDU 445 Introduction to Environmental Education (3 credits) ♦
EDU 446 Strategies for Environmental Education (3 credits) ♦
EDU 447 Outdoor Learning Environments (3 credits) ♦
ENG 316 Social Issues in Literature - AH (3 credits) ♦
ENG 326 Literature and the Environment (3 credits) ♦
ENG 338 Writing for Social Change (3 credits) ♦
JOU 220 News Writing (3 credits) ♦
JOU 230 News Reporting and Writing (3 credits) ♦
JOU 305 Science in the Media (3 credits) ♦
JOU 325 Photojournalism (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦
JOU 450 Media Skills (3 credits) ♦
PRE 275 Principles of Public Relations (3 credits) ♦
PRE 376 Public Relations Writing (3 credits) ♦
PRE 377 Public Relations Case Studies and Campaigns (3 credits) ♦
SWK 204 Social Work Ethics (3 credits)

Track 4: Health, Community, and Environment (18 credits)

* If not taken in core

ENV 324 Disease Ecology and Human Health

AND

Choose five courses from the following list:

ANT 321 Medical Anthropology (3 credits) ♦
ANT 322 Health and Disease in Past Societies (3 Credits) ♦
CMST 403 Health Communication (3 credits) ♦
ENV 332 Visualizing Environmental Data in R (3 credits)
ENV 350 Environmental Toxicology (3 credits) ♦
HEA 125 Foundations of Health Ed & Promotion (3 credits)
HEA 230 Personal Health and Wellness (3 credits)
HEA 370 Community Health (3 credits)
HIN 101 Introduction to Health Informatics (1 Credits)
HIN 355 Foundations of Health Informatics (3 credits)
HIN 356 Health Information Management (3 credits) ♦
PAD 560 Planning and Community Development (3 credits) ♦
PHI 220 Health Care Ethics - AH (3 credits)
SOC 340 Population (3 credits) ♦
SOC 342 Sociology of Aging (3 credits) ♦
SOC 355 Sociology of the Environment (3 credits) *
SOC 371 Environment, Society, and Public Health (3 Credits) ♦
SOC 450 Medical Sociology (3 credits) ♦
SOC 480 Global Aging Issues and Policies (3 credits) ♦

French, B.A.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

Students wishing to be certified to teach French at the secondary level should complete the requirements for Bachelor of Arts in French outlined above in conjunction with a Bachelor of Arts in Secondary Education. Students should review the section of the catalog describing the BA - Secondary Education track within the Department of Teacher Education. Students pursuing this option must also take WLL 450 Methods of Teaching World Languages (3 credits) , which is offered in fall of even numbered years.

Special graduation requirements: No course in which a grade below a C- is earned can be used to fulfill the major course requirements in French, German, Japanese or Spanish.

DEGREE REQUIREMENTS (36 CREDITS)

Core Courses

FRE 201 Intermediate French I (3 credits) ♦
FRE 202 Intermediate French II (3 credits) ♦
FRE 304 French Composition and Conversation (3 credits) ♦

FRE 401 French Phonetics and Pronunciation (3 credits) ♦
OR
FRE 402 Advanced French Grammar and Syntax (3 credits) ♦

FRE 480 Studies in French Culture (3 credits) ♦
FRE 481 Studies in French Literature (3 credits) ♦
WLL 400 World Languages Program Assessment (0 credits) ♦

ALL FRENCH MAJORS MUST FOLLOW ONE OF THE FOLLOWING TWO TRACKS

Cultural and Literary Studies Track

Culture Study (6 credits)

Select two courses from the following not already taken

FRE 294 Topics in French for the Professions (3 credits) ♦
FRE 307 Introduction to French Translation (3 credits) ♦

FRE 310 French Culture and Society Today (3 credits) ♦
FRE 311 French Cultural History (3 credits) ♦
FRE 330 Studies in French Language Cinema (3 credits) ♦
FRE 340 Business French (3 credits) ♦
FRE 401 French Phonetics and Pronunciation (3 credits) ♦
FRE 402 Advanced French Grammar and Syntax (3 credits) ♦
FRE 480 Studies in French Culture (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦ (culture topic)

Literary Study (6 credits)

Select two courses from the following not already taken

FRE 320 Survey of French Literature (3 credits) ♦
FRE 322 French Drama (3 credits) ♦
FRE 323 French Prose Fiction (3 credits) ♦
FRE 481 Studies in French Literature (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦ (literary topic)

Interdisciplinary Component (3 credits)

Select one course from the following

ANT 275 Language and Culture (3 credits)
CIN 301 Survey of World Cinema (3 credits)
ENG 206 Western World Literature I (3 credits) ♦
ENG 207 Western World Literature II (3 credits) ♦
ENG 350 Critical Theory (3 credits) ♦
ENG 381 Introduction to Linguistics (3 credits) ♦
HIS 305 Reformation Europe (3 credits) ♦
HIS 365 Ancient European Military History (3 credits) ♦
HIS 471 Medieval and Early Modern Europe (3 Credits)
HIS 472 Modern and Contemporary Europe (3 Credits)
HIS 485 History of Terrorism (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
PHI 305 Existentialism (3 credits) ♦
PHI 385 History of Modern and Contemporary Philosophy (3 credits) ♦
PSC 330 Politics of Europe (3 credits) ♦

Electives (3 credits)

Select any one course from among the following:

Any FRE course above the 202 level
WLL 396 World Languages and Literatures Internship (3 Credits)

Applied French Track with Required Professional Studies Minor

Culture Study (6 credits)

Select two courses from the following not already taken.

FRE 310 French Culture and Society Today (3 credits) ♦
FRE 311 French Cultural History (3 credits) ♦
FRE 330 Studies in French Language Cinema (3 credits) ♦
FRE 401 French Phonetics and Pronunciation (3 credits) ♦
FRE 402 Advanced French Grammar and Syntax (3 credits) ♦
FRE 480 Studies in French Culture (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦

Literary Study (6 credits)

Select two courses from the following not already taken

FRE 320 Survey of French Literature (3 credits) ♦
FRE 322 French Drama (3 credits) ♦
FRE 323 French Prose Fiction (3 credits) ♦
FRE 481 Studies in French Literature (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦

Courses for the Professions (6 credits)

Select any two of the following

FRE 294 Topics in French for the Professions (3 credits) ♦
FRE 307 Introduction to French Translation (3 credits) ♦
FRE 340 Business French (3 credits) ♦
WLL 396 World Languages and Literatures Internship (3 Credits) ♦
WLL 450 Methods of Teaching World Languages (3 credits) ♦

Required Professional Studies Minor

A professional studies minor is defined as:

Students in this track are required to take a professional minor (or professional major) to complete the requirements. The available professional minors are listed below. Speak to your department chair or program director about double majoring using a professional major if you are interested.

Business

Accounting (23 credits)
Business Analytics (24 credits)
Business (28 credits)
Construction Management Minor (24 credits)
Economics (24 credits)
Entrepreneurial Studies Minor (18 credits)
Finance Minor (18 credits)
Managemente Minor (21 credits)
Marketing Minor (18 credits)
Sports Business and Event Management Minor (18 credits)
Sports Medicine and Exercise Science Minor (22-23 credits)

Communications, Journalism, Government & Non-profit Agencies

Communication Studies (21 credits)
Journalism (21 credits)
Organizational Leadership Minor (18 credits)
Professional Writing (21 credits)
Public Service (18 credits)

Informatics

Computer Forensics (21 credits)
Computer Information Technology Minor (22 credits)
Computer Science Minor (21-24 credits)
Data Science (22 credits)
Electronic Media Broadcasting (21 credits)
Electronics Technology (21 credits)
Geographic Information Systems Minor (18-19 credits)
Information Security Minor (28-31 credits)
Information Systems Minor (24 credits)

International Business Minor (18 credits)

Health Professions

Culture, Society, and Health Minor (21-22 credits)
Health Communication Minor (21 credits)
Health Informatics Minor (25 credits)
Health Promotion Minor (25 credits)
Healthcare Ethics and Policy Minor (21 credits)
Human Services and Addictions Minor (21 credits)

Law/Criminal Justice

Criminal Justice Minor (21 credits)
Criminalistics Minor (21 credits)
Pre-Law (21 credits)

Sciences

Biological Sciences (20 credits)
Chemistry (20 credits)
Environmental Studies Minor (22 credits)
Industrial Technology Minor (21 credits)
Neuroscience Minor (23 credits)
Physics (21 credits)

Geology, B.A.

The Bachelor of Arts in geology is most appropriate for students seeking a dual major who wish to have a background in geology to support another major or for students seeking a degree in secondary education. For students majoring only in geology, this Bachelor of Arts degree requires a minor. The Bachelor of Arts in geology requires 30 hours of geology courses consisting of 22 core credits, 8 elective credits, and 3 credits in other disciplines. General NKU graduation requirements include 45 hours of 300- or 400-level courses, so students seeking the Bachelor of Arts in geology need to take at least an additional 15 hours of 300- or 400- level courses in addition to the core courses for the degree. Students should choose these courses in consultation with their advisor, but additional elective courses in geology, geography or environmental science are highly recommended.

Special graduation requirements: A grade of C- or better must be earned in all geology courses counting toward the major. Students interested in the application of geology in environmental studies may take courses emphasizing hydrogeology.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (30 CREDITS)

Core Courses (22 credits)

GLY 110 Earth Science with Laboratory - SL (4 credits)
GLY 115 History of the Earth - NS (3 credits)
GLY 330 Geomorphology with Laboratory (4 credits) ♦
GLY 335 Mineralogy and Petrology (4 credits) ♦
GLY 340 Introduction to Environmental Geoscience (3 credits) ♦
GLY 450 Hydrogeology (4 credits) ♦

Electives (8 credits)

8 credits from the following:

GLY 100 Careers in Geoscience (1 credit) ♦
GLY 120 This Dangerous Earth - SB (3 credits)
GLY 125 Prehistoric Life - NS (3 credits)
GLY 130 Geology of National Parks - NS (3 credits)
GLY 315 Structural Geology with Laboratory (4 credits) ♦
GLY 325 Geology of the Planets (3 credits) ♦
GLY 341 Soil Science (3 credits) ♦
GLY 360 Environmental Geophysics (4 credits) ♦
GLY 394 Topics: Geology (1-3 credit) ♦
GLY 415 Earth Science Applications of GIS (3 Credits) ♦
GLY 416 Geologic Field Methods (3 credits) ♦
GLY 420 Stratigraphy and Sedimentation with Laboratory (4 credits) ♦
GLY 425 Economic Geology (4 credits) ♦
GLY 435 Petrology and Petrography (4 credits) ♦
GLY 445 Geophysical Modeling (3 credits) ♦
GLY 455 Groundwater Resources and Management with Laboratory (4 credits) ♦
GLY 461 Ecology and Geology of Coral Reefs (4 credits) ♦

German, B.A.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

Students wishing to be certified to teach German at the secondary level should complete the requirements for Bachelor of Arts in German outlined above in conjunction with a Bachelor of Arts in Secondary Education. Students should review the section of the catalog describing the BA - Secondary Education track within the Department of Teacher Education. Students pursuing this option must also take WLL 450 Methods of Teaching World Languages (3 credits) , which is offered in fall of even numbered years.

Special graduation requirements: No course in which a grade below a C- is earned can be used to fulfill the major course requirements in French, German, Japanese or Spanish.

DEGREE REQUIREMENTS (36 CREDITS)

Core Courses

GER 201 Intermediate German I (3 credits) ♦
GER 202 Intermediate German II (3 credits) ♦
GER 304 German Composition and Conversation (3 credits) ♦

GER 401 German Phonetics and Pronunciation (3 credits) ♦
OR
GER 402 Advanced German Grammar and Syntax (3 credits) ♦

GER 480 Studies in German Culture (3 credits) ♦
GER 481 Studies in German Literature (3 credits) ♦
WLL 400 World Languages Program Assessment (0 credits) ♦

ALL GERMAN MAJORS MUST FOLLOW ONE OF THE FOLLOWING TWO TRACKS

Cultural and Literary Studies Track

Culture Study (6 credits)

Select two courses from the following

GER 294 Topics in German for the Professions (3 credits) ♦
GER 307 Introduction to German Translation (3 credits) ♦
GER 310 Contemporary German Life (3 credits) ♦
GER 311 German Cultural History (3 credits) ♦
GER 330 Studies in German Language Cinema (3 credits) ♦
GER 340 Business German (3 credits) ♦
GER 401 German Phonetics and Pronunciation (3 credits) ♦
GER 402 Advanced German Grammar and Syntax (3 credits) ♦
GER 480 Studies in German Culture (3 credits) ♦
GER 520 Readings: German (3 credits) ♦ (culture topic)

Literary Study (6 credits)

Select two courses from the following

GER 320 Survey of German Literature (3 credits) ♦
GER 322 German Drama (3 credits) ♦
GER 323 German Prose Fiction (3 credits) ♦
GER 481 Studies in German Literature (3 credits) ♦
GER 520 Readings: German (3 credits) ♦ (literary topic)

Interdisciplinary Component (3 credits)

Select one course from the following

ANT 275 Language and Culture (3 credits)
CIN 301 Survey of World Cinema (3 credits)
ENG 206 Western World Literature I (3 credits) ♦
ENG 207 Western World Literature II (3 credits) ♦
ENG 324 Holocaust Literature (3 credits) ♦
ENG 350 Critical Theory (3 credits) ♦
ENG 371 Traditional Grammar (3 credits) ♦
ENG 381 Introduction to Linguistics (3 credits) ♦
HIS 305 Reformation Europe (3 credits) ♦
HIS 361 History of Germany (3 credits) ♦
HIS 365 Ancient European Military History (3 credits) ♦
HIS 414 The Holocaust (3 credits) ♦
HIS 471 Medieval and Early Modern Europe (3 Credits)
HIS 472 Modern and Contemporary Europe (3 Credits)
MGT 360 Comparative International Management (3 credits) ♦
PHI 385 History of Modern and Contemporary Philosophy (3 credits) ♦
PHI 305 Existentialism (3 credits) ♦
PSC 330 Politics of Europe (3 credits) ♦

Electives (3 credits)

Select any one course from among the following:

Any GER course above the 202 level
WLL 396 World Languages and Literatures Internship (3 Credits)

Applied German Track with required professional studies minor

Culture Study (6 credits)

Select two courses from the following not already taken

GER 310 Contemporary German Life (3 credits) ♦
GER 311 German Cultural History (3 credits) ♦
GER 330 Studies in German Language Cinema (3 credits) ♦
GER 401 German Phonetics and Pronunciation (3 credits) ♦
GER 402 Advanced German Grammar and Syntax (3 credits) ♦
GER 480 Studies in German Culture (3 credits) ♦
GER 520 Readings: German (3 credits) ♦

Literary Study (6 credits)

Select two courses from the following not already taken

GER 320 Survey of German Literature (3 credits) ♦
GER 322 German Drama (3 credits) ♦
GER 323 German Prose Fiction (3 credits) ♦
GER 481 Studies in German Literature (3 credits) ♦
GER 520 Readings: German (3 credits) ♦

Courses for the Professions (6 credits)

Select any two of the following

GER 294 Topics in German for the Professions (3 credits) ♦
GER 307 Introduction to German Translation (3 credits) ♦
GER 340 Business German (3 credits) ♦
WLL 396 World Languages and Literatures Internship (3 Credits) ♦
WLL 450 Methods of Teaching World Languages (3 credits) ♦

Required Professional Studies Minor

A professional studies minor is defined as:

Students in this track are required to take a professional minor (or professional major) to complete the requirements. The available professional minors are listed below. Speak to your department chair or program director about double majoring using a professional major if you are interested.

Business

Accounting (23 credits)
Business Analytics (24 credits)
Business (28 credits)
Construction Management Minor (24 credits)
Economics (24 credits)
Entrepreneurial Studies Minor (18 credits)
Finance Minor (18 credits)
Managemente Minor (21 credits)
Marketing Minor (18 credits)
Sports Business and Event Management Minor (18 credits)
Sports Medicine and Exercise Science Minor (22-23 credits)

Communications, Journalism, Government & Non-profit Agencies

Communication Studies (21 credits)
Journalism (21 credits)

Organizational Leadership Minor (18 credits)
Professional Writing (21 credits)
Public Service (18 credits)

Informatics

Computer Forensics (21 credits)
Computer Information Technology Minor (22 credits)
Computer Science Minor (21-24 credits)
Data Science (22 credits)
Electronic Media Broadcasting (21 credits)
Electronics Technology (21 credits)
Geographic Information Systems Minor (18-19 credits)
Information Security Minor (28-31 credits)
Information Systems Minor (24 credits)
International Business Minor (18 credits)

Health Professions

Culture, Society, and Health Minor (21-22 credits)
Health Communication Minor (21 credits)
Health Informatics Minor (25 credits)
Health Promotion Minor (25 credits)
Healthcare Ethics and Policy Minor (21 credits)
Human Services and Addictions Minor (21 credits)

Law/Criminal Justice

Criminal Justice Minor (21 credits)
Criminalistics Minor (21 credits)
Pre-Law (21 credits)

Sciences

Biological Sciences (20 credits)
Chemistry (20 credits)
Environmental Studies Minor (22 credits)
Industrial Technology Minor (21 credits)
Neuroscience Minor (23 credits)
Physics (21 credits)

Health Communication, B.A.

HCOM courses are offered primarily in an accelerated online format.

The explosion of social media and other interactive communication technologies is dramatically changing the ways in which consumers obtain and make sense of health related information. For example, peer to peer communication (e.g., within Facebook support group) about a medical condition is as important to understanding and coping as communication with providers. Providers and other health care professionals must be fully aware of and appreciate all the different sources of information that are key to sensemaking and understanding. Creating messages that are clear, easy to understand, and address the emotional and logical processing of health information is crucial and lead to positive health outcomes. The messages also must address cultural differences and health disparities in terms of behavior and care that are present in a diverse society.

The health communication program will produce graduates who are skilled, effective and literate communicators. They will be able to facilitate the sensemaking and decision making processes related to health information and be well equipped to communicate across many contexts and rapidly changing media platforms. Students completing this program will be prepared for a wide array of emerging health communication careers in industry, the non-profit sector and government.

Depending on students' areas of interest, they are encouraged to select a minor that will complement this major and strengthen their skill set. For example, if a student has an interest in video production related to health communication, a minor in Electronic Media and Broadcasting would be appropriate.

Students majoring in health communication must complete 60 credit hours of study as outlined below, earn a *C*- or better in each course for the major and satisfy the University's graduation requirements, including CMST 101 Public Speaking - OC (3 credits) or CMST 110 Introduction to Communication Studies - OC (3 credits) for the general education oral communication requirement, JOU 110 Introduction to Mass Communication - SB (3 credits) or INF 128 Principles of Informatics - SB (3 credits) to fulfill the general education individual and society requirement, and SWK 105 Social Work & the Community - SB (3 credits) to fulfill the general education cultural pluralism requirement. It is recommended students take PSY 100 Introduction to Psychology - SB (3 credits) to fulfill the general education individual and society requirement and STA 205 Statistical Methods - QR (3 credits) to fulfill the mathematics general education requirement. It is the policy of the School of Communication and Media that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

Special graduation requirements: All majors and minors must earn a letter grade of *C*- or better and a 2.0 GPA in their major or minor courses.

DEGREE REQUIREMENTS (51 CREDITS PLUS 9 FOUNDATION OF KNOWLEDGE CREDITS)

Foundations of Knowledge coursework (9 credits)

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

INF 128 Principles of Informatics - SB (3 credits)
OR
JOU 110 Introduction to Mass Communication - SB (3 credits)

SWK 105 Social Work & the Community - SB (3 credits)

Core Courses (27 credits)

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 300 Research Methods in Communication Studies (3 credits) ♦
CMST 333 Lifespan Communication (3 credits) ♦

HCOM 301 Health Communication (3 credits) ♦
HCOM 305 Patient-Provider Communication (3 credits) ♦
HCOM 450 Health Campaigns (3 credits) ♦
HCOM 480 Communication Technology and Health (3 credits) ♦
HCOM 496 Health Communication Internship (3 credits) ♦
JOU 305 Science in the Media (3 credits) ♦

Professional Skills Courses (6 credits)

Choose two courses from the list below.

ENG 349 Content Development for Web (3 credits) ♦
JOU 220 News Writing (3 credits) ♦
MGT 205 Business Management Principles (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
HSC 410 Healthcare Management (3 credits) ♦

Health Issues/Domains (6 credits)

Choose two courses from the list below.

HEA 320 Drug and Alcohol Education (3 credits) ♦
HIN 200 Introduction to Healthcare Operations (3 Credits)
HIN 355 Foundations of Health Informatics (3 credits)
HSR 300 Ethics & Issues in Human Svc Profession (3 credits) ♦
HSR 305 Principles of Assessment in Human Svcs (3 credits) ♦
HSR 312 Crisis Intervention (3 credits)
HSR 314 Death, Dying, and Grief (3 credits) ♦
PSY 315 Psychology of Human Sexuality (3 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
PSY 420 Drug Policy (3 credits) ♦
PSY 421 Psychopharmacology (3 credits) ♦

Diversity and Health Courses (6 credits)

Choose two courses from list below.

HCOM 315 Sociocultural Aspects of Health (3 credits) ♦
HCOM 495 Study Abroad (1-3 credits)
HSC 413 Aging in Today's Society (3 credits)
HSR 303 Multicultural Issues in Human Services (3 credits)
SOC 480 Global Aging Issues and Policies (3 credits) ♦
SWK 205 Inclusion, Oppression, & Social Work 3 credits

Communication Electives (6 credits)

Choose two courses from the list below.

CMST 230 Small Group Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
CMST 340 Strategies of Persuasion (3 credits) ♦
CMST 355 Culture and Communication (3 credits) ♦
CMST 440 Communication Training and Development (3 credits) ♦
HCOM 485 Communicating Health Policy (3 credits) ♦
HCOM 492 Directed Research (0-6 credits) ♦
HCOM 494 Special Topics: Health Communication (3 credits)
HCOM 499 Independent Study (1-3 credits)
JOU 321 Digital Publishing (3 credits) ♦
JOU 340 Feature Writing (3 credits) ♦
JOU 450 Media Skills (3 credits) ♦
PRE 275 Principles of Public Relations (3 credits) ♦
PRE 377 Public Relations Case Studies and Campaigns (3 credits) ♦

History, B.A.

Available in both traditional and fully-online formats.

To graduate with a Bachelor of Arts in History, a student must earn 36 credit hours in the major (with a *C* or above in each course) consisting of 18 core requirement hours and 18 upper division (300-level or above) hours. All students majoring in history are required to participate in outcomes assessment as stipulated in instructions provided to graduating seniors each semester.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (36 CREDITS)

Core (18 credits)

HIS 102 History of the United States through 1877 - AH (3 credits)
OR
HIS 103 History of the United States since 1877 - AH (3 credits)

HIS 108 World History to 1500 (3 credits)
HIS 109 World History since 1500 (3 credits)
HIS 111 Global Viewpoints in History - AH (3 credits)
HIS 291W Advanced Historical Writing - WC (3 credits)
HIS 489 Senior Capstone (3 credits) ♦

Electives (18 credits)

Students must complete 18 hours of upper-division HIS courses (300 level or above).

Integrative Studies, B.A.

Location: Founders Hall 365E (Program Director), Landrum Hall 330 (Advising)

Telephone: 859-572-1450 (Program Director), 859-572-5494 (Advising)

Fax: 859-572-6185

Email Address: ist@nku.edu

Web Address: http://ist.nku.edu

Program Director: Rudy Garns

Other Key Personnel:

Undergraduate Advisors: Megan Larkin, Kyle Dorriere

Thinking about the program: The integrative studies program provides an opportunity for students to pursue an individualized education with both depth of knowledge and breadth of understanding and application. With the help of advisors, students design their own course of study from across the curriculum and integrate what they learn in a capstone project to find coherence, meaning and value in a personal area of interest.

The B.A. in Integrative Studies requires students to complete and integrate areas of specialty from three different academic programs. An area of specialty must include at least 12 credit hours at the 300/400/500 level drawn from an approved major or minor program as described in the Catalog. At least one area of specialty must be drawn from a program in the College of Arts and Sciences. In addition the program requires the introductory experience, IST 185 , and the two capstone experiences, IST 397 and IST 497 . The program is available in both traditional and fully-online formats.

Special graduation requirements:

This program does not require a secondary major/minor/focus.
No course can count in more than one area of specialty.
No grade of lower than C- will be accepted for any course in an area of specialty, or in the Integrative Studies core.
Students must earn a 2.00 GPA in each area of specialty.
Students must earn a 2.00 GPA in the Integrative Studies core

INTEGRATIVE STUDIES CORE (9 CREDITS)

IST 185 Introduction to Integrative Studies - SB (3 credits)
IST 397 Interdisciplinary Inquiry (3 credits) ♦
IST 497 Capstone in Integrative Studies (3 Credits) ♦

SELECTION OF FOCI/MINORS (36+ CREDITS)

Select 3 focus areas or minors from any disciplinary or interdisciplinary program.

International Studies, B.A.

Program Coordinator: Kimberly Weir, Department of Political Science, Criminal Justice and Organizational Leadership

International relations are shaped by the forces of culture, ideology, identity, geography, history, religion, social relations, and economics. International studies is an interdisciplinary major that focuses on understanding these dynamic transnational factors and issues that influence relations between actors in the world system. The international studies major requires completing 12 hours of foundational coursework, 18 hours of additional core course (across 5 categories plus a required cumulative course), and 12 hours of electives that can include internships or a research practicum. Students are encouraged to take classes from a variety of pre-fixes to become more versed in international studies from a broad perspective.

Students must also complete 12 hours in a foreign language.

Only courses with a grade of *C*- or better may count toward an international studies major, minor, or area of focus. Students must have a cumulative GPA of at least 2.0 in their degree coursework to qualify for graduation. Students are encouraged to complete study-abroad courses and internships toward the international studies major. Topics courses and independent study credit hours may fulfill secondary course requirements. Contact the international studies coordinator prior to enrolling in any of these options to verify whether the credit hours qualify, and if so, how much they will apply toward completing the major degree program requirements.

The Office of Education Abroad (University Center 330) can help with scholarship applications to offset expenses, including university scholarships, as well as a "beyond the classroom" scholarship toward study abroad, sponsored by the sociology department, for which all majors are eligible.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (54 CREDITS)

Foundational Courses

PSC 103 International Politics - AH (3 credits)

Choose any 3 additional foundational courses:

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
GEO 101 World Regional Geography (3 credits)
PSC 102 Comparative Politics - AH (3 credits)
SOC 101 Global Inequalities - SB (3 credits)

Language Requirement (12 hours)

Students placing out of the 202 level of language must complete one 300+ level language course at NKU.

Students may select from the following languages: Arabic, Chinese, French, German, Italian, Japanese, Korean, Russian, and Spanish. Note that Latin does not qualify.

French, German, Japanese, and Spanish sections of 101 and 201 are offered every fall semester, and sections of 102 and 202 every spring semester. Japanese and Spanish 102 are also offered every fall semester at NKU.

Arabic, Chinese, Italian, Korean, and Russian are offered as follows: 101 in the fall semester, 102 in the spring semester. Completing the intermediate level for these courses may involve taking courses off-

campus through the regional consortium. Contact the Department of World Languages and Literatures for details regarding regularity and availability of these courses.

Elementary Language I (3 credits)
Elementary Language II (3 credits)
Intermediate Language I (3 credits)
Intermediate Language II (3 credits)

Note:

Students are encouraged to take classes from a variety of pre-fixes to become more versed in international studies from a broad perspective.

ADVANCED CORE- 18 HOURS

Methods (pick one)

PSC 215 Scope and Methods (3 credits) ♦
ANT 340 Ethnographic Methods and Research (3 credits) ♦
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦

Politics (pick one)

LDR 460 Leading in Diverse and Global Contexts (3 credits) ♦
PSC 465 Democratization (3 credits) ♦
PSC 481 International Organization (3 credits) ♦
PSC 482 Elections Around the World (3 credits) ♦
PSC 485 Comparative Foreign Policies (3 credits) ♦

Environment (pick one)

GEO 340 Sustainable Food Systems (3 credits) ♦
PHI 360 Environmental Philosophy (3 credits) ♦
PSC 445 Sustainability (3 credits) ♦
SOC 340 Population (3 credits) ♦
SOC 355 Sociology of the Environment (3 credits)

Conflict (pick one)

HIS 485 History of Terrorism (3 credits) ♦
PHI 323 Peace and War (3 credits) ♦
PSC 480 International Law (3 credits) ♦
PSC 486 Conflict and Security (3 credits) ♦

Economics (pick one)

CTE 316 Intercultural Business Communication (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
PSC 340 Politics of Development (3 credits) ♦
PSC 410 International Political Economy (3 credits) ♦

Cumulative Course (required)

PSC 470 Globalization (3 credits) ♦

ELECTIVES- 12 HOURS (4 COURSES FROM ANY CATEGORY ABOVE OR THE LIST BELOW)

ANT 201 World Cultures - SB (3 credits)
ANT 275 Language and Culture (3 credits)
ANT 320 Religion and Culture (3 credits) ♦
ANT 330 Sex, Gender, and Culture (3 credits) ♦
ANT 345 Environmental Anthropology (3 credits) ♦
ANT 358 Art and Culture (3 credits) ♦
ANT 372 Peasant Societies (3 credits) ♦
ANT 386 Economy, Wealth and Culture (3 credits) ♦
CIN 301 Survey of World Cinema (3 credits)
EMB 370 International Media (3 credits) ♦
ENG 213 Global Viewpoints in Literature - AH (3 credits)
ENG 304 Introduction to Post-Colonial Literature (3 credits) ♦
GEO 330 Geography of Religion (3 credits) ♦
HIS 111 Global Viewpoints in History - AH (3 credits)
HIS 321 Modernization in the Non-Western World (3 credits) ♦
HNR 309 World Cities/World Cultures (3 credits) ♦
LDR 160 Leadership Around the World - AH (3 credits)
MUS 106 Music of World Cultures - AH (3 credits)
PHI 309 Global Ethics (3 credits) ♦
POP 250 International Popular Culture - AH (3 credits)
PSC 312 Modern Ideologies (3 credits) ♦
PSC 322 International Politics in Film (3 credits) ♦
PSC 350 Using Civilization to Understand IR (3 credits) ♦
PSC 440 Politics of Food (3 credits) ♦
REL 200 World Religions and Cultures - AH (3 credits)
SOC 301 World Patterns of Race Ethnicity (3 credits) ♦
SOC 342 Sociology of Aging (3 credits) ♦
SOC 425 Political Sociology (3 credits) ♦
SOC 430 Sociology of Religion (3 credits) ♦
WGS 383 Women and World Cultures (3 credits) ♦
_____ 496 Internships (up to 3 hours) - approved by department and related to international studies

_____ 499 Research Practicum (up to 3 hours) - approved by department and related to international studies

Note:

For all options, other courses carrying international studies credit will be listed in the schedule of classes each semester and may be used as substitute electives on approval by the chair of the Department of Political Science, Criminal Justice, and Organizational Leadership or the coordinator of international studies. Students may take independent studies, research practicum, or internships that are approved by the department that are related to international studies (up to 3 credits).

Japanese, B.A.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

Special graduation requirements: No course in which a grade below a C- is earned can be used to fulfill the major course requirements in French, German, Japanese or Spanish.

CORE COURSES (18 HOURS)

JPN 201 Intermediate Japanese I (3 credits) ♦
JPN 202 Intermediate Japanese II (3 credits) ♦

JPN 304 Japanese Composition and Conversation (3 credits) ♦

JPN 401 Japanese Phonetics and Pronunciation (3 credits) ♦
OR
JPN 402 Advanced Japanese Grammar and Syntax (3 credits) ♦

JPN 480 Studies in Japanese Culture (3 credits)
JPN 481 Studies in Japanese Literature (3 credits)
WLL 400 World Languages Program Assessment (0 credits) ♦

ALL JAPANESE MAJORS MUST FOLLOW ONE OF THE FOLLOWING TWO TRACKS

Cultural and Literary Studies Track

Culture Study (6 hours)

Select any two courses from the following not taken above

JPN 294 Topics in Japanese for the Professions (3 credits) ♦
JPN 307 Introduction to Japanese Translation (3 credits) ♦
JPN 311 Japanese Cultural History (3 credits) ♦
JPN 325 Japanese Myth and Folklore (3 credits) ♦
JPN 330 Studies in Japanese Language Cinema (3 credits)
JPN 340 Business Japanese (3 credits) ♦
JPN 401 Japanese Phonetics and Pronunciation (3 credits) ♦
JPN 402 Advanced Japanese Grammar and Syntax (3 credits) ♦
JPN 480 Studies in Japanese Culture (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦

Literary Study (6 hours)

Select any two not taken above

JPN 320 Survey of Japanese Literature (3 credits)
JPN 322 Japanese Drama (3 credits)
JPN 323 Japanese Fiction (3 credits)
JPN 481 Studies in Japanese Literature (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦

Interdisciplinary Course (3 hours)

Select one course from the following

ANT 275 Language and Culture (3 credits)
ANT 385 Peoples of East and Southeast Asia (3 credits) ♦
ARTH 304 Survey of Asian Art (3 credits) ♦
ARTH 359 Arts and Crafts of Japan (3 credits) ♦
CIN 301 Survey of World Cinema (3 credits)
ENG 350 Critical Theory (3 credits) ♦
GEO 410 Geography of East Asia (3 credits) ♦
HIS 338 History of Japan (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
PHI 312 Eastern Philosophy (3 credits) ♦
POP 345 Japanese Popular Culture (3 credits) ♦
PSC 388 Politics of Asia (3 credits) ♦

Electives (3 hours)

Select any one course from among the following:

Any JPN course above the 202 level
WLL 396 World Languages and Literatures Internship (3 Credits)

Applied Japanese Track with Required Professional Studies Minor

Culture Study (6 credits)

Select any two courses from the following not taken above

JPN 311 Japanese Cultural History (3 credits) ♦
JPN 325 Japanese Myth and Folklore (3 credits) ♦
JPN 330 Studies in Japanese Language Cinema (3 credits)
JPN 401 Japanese Phonetics and Pronunciation (3 credits) ♦
JPN 402 Advanced Japanese Grammar and Syntax (3 credits) ♦
JPN 480 Studies in Japanese Culture (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦

Literary Study (6 credits)

Select any two courses from the following not taken above

JPN 320 Survey of Japanese Literature (3 credits)
JPN 322 Japanese Drama (3 credits)
JPN 323 Japanese Fiction (3 credits)
JPN 481 Studies in Japanese Literature (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦

Courses for the Professions (6 credits)

Select two of the following

JPN 294 Topics in Japanese for the Professions (3 credits) ♦
JPN 307 Introduction to Japanese Translation (3 credits) ♦
JPN 340 Business Japanese (3 credits) ♦
WLL 396 World Languages and Literatures Internship (3 Credits) ♦
WLL 450 Methods of Teaching World Languages (3 credits) ♦

Required Professional Studies Minor

A professional studies minor is defined as:

Students in this track are required to take a professional minor (or professional major) to complete the requirements. The available professional minors are listed below. Speak to your department chair or program director about double majoring using a professional major if you are interested.

Business

Accounting (23 credits)
Business Analytics (24 credits)
Business (28 credits)
Construction Management Minor (24 credits)
Economics (24 credits)
Entrepreneurial Studies Minor (18 credits)
Finance Minor (18 credits)
Managemente Minor (21 credits)
Marketing Minor (18 credits)

Sports Business and Event Management Minor (18 credits)
Sports Medicine and Exercise Science Minor (22-23 credits)

Communications, Journalism, Government & Non-profit Agencies

Communication Studies (21 credits)
Journalism (21 credits)
Organizational Leadership Minor (18 credits)
Professional Writing (21 credits)
Public Service (18 credits)

Informatics

Computer Forensics (21 credits)
Computer Information Technology Minor (22 credits)
Computer Science Minor (21-24 credits)
Data Science (22 credits)
Electronic Media Broadcasting (21 credits)
Electronics Technology (21 credits)
Geographic Information Systems Minor (18-19 credits)
Information Security Minor (28-31 credits)
Information Systems Minor (24 credits)
International Business Minor (18 credits)

Health Professions

Culture, Society, and Health Minor (21-22 credits)
Health Communication Minor (21 credits)
Health Informatics Minor (25 credits)
Health Promotion Minor (25 credits)
Healthcare Ethics and Policy Minor (21 credits)
Human Services and Addictions Minor (21 credits)

Law/Criminal Justice

Criminal Justice Minor (21 credits)
Criminalistics Minor (21 credits)
Pre-Law (21 credits)

Sciences

Biological Sciences (20 credits)
Chemistry (20 credits)
Environmental Studies Minor (22 credits)
Industrial Technology Minor (21 credits)
Neuroscience Minor (23 credits)
Physics (21 credits)

Journalism, B.A.

Journalists will always provide the news that people need by finding out what is happening in their neighborhoods, their cities, their states, and their nation and by informing citizens about items they need to know. Students who study journalism learn how to write well and quickly. They learn how to do research and analyze what they find. They learn how to ask the right questions, find the right documents, and communicate what they've discovered in an engaging way. Changing technology has opened opportunities for journalists such as blogging, editing, and shooting video and photos for newspapers, radio, television, and online news organizations. They also find work in related fields, such as public relations and advertising. Many journalism majors also go on to graduate school or law school.

Students majoring in journalism must complete 39 credit hours of study as outlined below, and take " CMST 101 Public Speaking - OC (3 credits)" or " CMST 110 Introduction to Communication Studies - OC (3 credits)" for the oral communication requirement of their general education program, and take "JOU 110 Introduction to Mass Communication - SB (3 credits) - SB (3 credits)" as one of the courses for the Individual & Society requirement in their general education program. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

Special graduation requirements: All majors and minors must earn a letter grade of *C-* or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (39 CREDITS PLUS 6 FOUNDATION OF KNOWLEDGE CREDITS)

Foundation of Knowledge coursework (6 credits)

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

JOU 110 Introduction to Mass Communication - SB (3 credits)

Core Courses (27 credits)

EMB 140 Introduction to Media Aesthetics (3 credits)
JOU 220 News Writing (3 credits) ♦
JOU 230 News Reporting and Writing (3 credits) ♦
JOU 346 Copy Editing and Design (3 credits) ♦
JOU 380 News Media Workshop (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦
JOU 450 Media Skills (3 credits) ♦
JOU 480 Advanced News Media Workshop (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦

Select four courses from the following (12 credits)

CEP 300 Cooperative Education (1-3 credits)
EMB 308 Electronic News Gathering (3 Credits) ♦
JOU 305 Science in the Media (3 credits) ♦
JOU 321 Digital Publishing (3 credits) ♦
JOU 325 Photojournalism (3 credits) ♦
JOU 331 Specialty Reporting (3 credits) ♦
JOU 340 Feature Writing (3 credits) ♦
JOU 350 Issues in News Media Diversity (3 Credits)
JOU 360 Exploring the Future of News & Media (3 Credits)
JOU 382 Data Journalism (3 credits) ♦
JOU 392 Directed Research (0-6 credits) ♦
JOU 394 Special Topics in Journalism (3 credits) ♦
JOU 396 Internship (3 credits) ♦
JOU 421 Mass Communication History (3 credits) ♦
JOU 499 Independent Study: Journalism (1-3 credits) ♦

Law, B.A.

The Bachelor of Arts in Law is a multidisciplinary degree providing students with tools and skills necessary for a career in which legal training is necessary but a law degree is not required. The B.A. in Law is a 48 hour degree, with 24 core hours and 24 open electives across the College of Arts and Sciences and the Chase College of Law.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

CORE REQUIREMENTS (30 CREDITS)

Required courses:

PSC 100 American Politics - SB (3 credits)
JUS 101 Introduction to Criminal Justice - SB (3 credits)

PSC 204 Introduction to the Law (3 credits) ♦
PSC 375 Perspectives on Law (3 credits) ♦
ENG 347 Technical Writing (3 credits) ♦
JUS 210 Legal Research (3 credits)
LAW 300 The American Legal System I (3 credits) ♦
LAW 301 The American Legal System II (3 credits) ♦
LAW 435 Legal Communication and Persuasion (3 credits) ♦

Choose one of the following:
PSC 307 Constitutional Law (3 credits) ♦
OR
LAW 350 The American Constitution (3 credits) ♦

ELECTIVES (15 CREDITS)

Students must complete 15 hours from these courses:

ENG 345 Legal Writing (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦
JUS 301 Ethics in Criminal Justice (3 credits) ♦
JUS 302 Criminal Law (3 credits) ♦
JUS 496 Internship: Justice Studies (1-6 credits) ♦
LAW 320 Legal History (3 credits) ♦
LAW 324 Environmental Law (3 credits) ♦
LAW 394 Special Topics in Law (3 credits) ♦
LAW 405 Financial Institutions and the Law (3 credits) ♦
LAW 410 Immigration and Refugee Law and Policy (3 credits) ♦
LAW 420 Employment Law (3 credits) ♦
LAW 480 Sports and the Law (3 credits) ♦
LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
PSC 301 American Political Institutions (3 credits) ♦
PSC 305 The Judicial Process (3 credits) ♦
PSC 308 Civil Liberties (3 credits) ♦
PSC 403 Politics in Action (3 credits) ♦
PSC 480 International Law (3 credits) ♦
PSC 496 Internship in Political Science (1-15 credits)

Middle Grades Education (5-9), B.A.

Successful completion of the middle grades education (5-9) program leads to the Bachelor of Arts and is the first step toward attaining certification to teach in grades 5-9 in Kentucky. Students wishing to enroll in the middle grades program must follow the admission guidelines for teacher education programs outlined by the College of Education. It is suggested that freshmen or other interested students declare a pre-education major in middle grades education. Doing so will enable the student to be assigned a teacher education advisor. The advisor will be familiar with the current curriculum and admission requirements as well as any impending changes that may occur prior to the student's admission semester. Students pursuing a middle grades education program must complete at least two of the following teaching fields: English and communication, mathematics, science, social studies, or special education. Special Education must be completed as a second major. See Special Education (P-12), B.A. Upon successful completion of this program, the graduate will qualify for an institutional recommendation for a Kentucky Provisional Certificate for teaching in the middle grades (5-9), with appropriate teaching fields.

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:

Overall GPA of 2.75.
Pedagogy (EDU and EDS courses) GPA of 2.75.
Content course GPA of 2.75.
NKU coursework GPA of 2.75.
Minimum grade of C (not C-) in all education (EDS / EDU) courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (60 CREDITS)

Core Courses (51 credits)

EDU 104 Orientation: Education Profession/Program (1 credit)
EDU 104 is a prerequisite course for all other EDU and EDS courses except EDU 300 and EDS 360
EDU 300 Human Growth and Development (3 credits) ♦
EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
EDU 305 Introduction to Education (2 credits) ♦
EDU 309 Admission Field Experience Middle Grades (2 credits) ♦
EDU 313 Instructional Technology (3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
EDU 318 Classroom Climate Management: Middle School (2 credits) ♦
EDU 343 Educational Assessment Middle Schools (2 credits) ♦
EDU 344 Fundamentals of Middle Grades Education (2 credits) ♦

EDU 391 Middle Grades Field Experience I (2 credits) ♦
EDU 394 Middle Grades Field Experience II (2 credits) ♦
EDU 495 Clinical Experience Middle Grades (12 credits) ♦
EDS 323 Instructional Planning for Inclusive Middle Level Classrooms (3 credits) ♦
EDS 360 Students with Exceptionalities in School (3 credits) ♦

Methods Courses - select two courses from the following* (6 credits)

EDU 345 Teaching Language Arts in Middle Grades (3 credits) ♦
EDU 346 Teaching Science in Middle Grades (3 credits) ♦
EDU 347 Teaching Math in Middle Grades (3 credits) ♦
EDU 348 Teaching Social Studies in Middle Grades (3 credits) ♦

Core Courses in Other Disciplines (9 credits)

PSY 100 Introduction to Psychology - SB (3 credits) **
CMST 101 Public Speaking - OC (3 credits) **
ENG 102 Writing and Research - WC (3 credits) ♦

Note:

**Two methods courses are to be completed, one in Professional Semester I and the other in Professional Semester II. Students who plan to complete Special Education as an area will dual major and only be required to take one method course.*

**These courses fulfill general education requirements in Individual and Society and Oral Communication.

CONTENT AREA TRACKS

Students select two content area tracks from the following: English and communication, social studies, mathematics, science, and special education. A minimum of 12 credit hours of content coursework must be completed before enrolling in the corresponding methods course.

English/Communications Track (24 credits)

ENG 200 Understanding Literature - AH (3 credits)
ENG 208 Survey of American Literature I (3 credits) ♦
ENG 209 Survey of American Literature II (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
ENG 371 Traditional Grammar (3 credits) ♦
ENG 530 Readings in the English Language (3 credits) ♦
CMST 310 Argumentation (3 credits) ♦

Select one course from the following (3 credits)

ENG 231 Introduction to Creative Writing - AH (3 credits) ♦
OR
ENG 331 Persuasive Writing (3 credits) ♦

Total Credits 83

Social Studies Track (24 credits)

HIS 102 History of the United States through 1877 - AH (3 credits)
HIS 103 History of the United States since 1877 - AH (3 credits)
HIS 108 World History to 1500 (3 credits)
HIS 109 World History since 1500 (3 credits)
GEO 101 World Regional Geography (3 credits)
PSC 102 Comparative Politics - AH (3 credits)
ECO 205 Economics for Teachers (3 credits)

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
OR
SOC 100 Introduction to Sociology - SB (3 credits)

Total Credits 80

Mathematics Track (24 credits)

MAT 110 Introductory Probability (3 credits) ♦
MAT 112 Applied Calculus (3 credits) ♦
MAT 116 Arithmetic Structures for MG Teachers (3 credits) ♦
MAT 117 Algebra for Middle Grades Teachers (3 credits) ♦
MAT 141 Geometry I for K-8 Teachers (3 credits) ♦
MAT 240 Geometry II for K-8 Teachers (3 credits) ♦
STA 204 Statistics for Middle Grades Teachers (3 credits) ♦

Select one course from the following (3 credits)

MAT 114 Finite Mathematics - QR (3 credits) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
MAT 128 Calculus A - QR (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
MAT 185 Introductory Discrete Mathematics - QR (3 credits) ♦
MAT 227 Calculus B (3 credits) ♦

Total Credits 80

Science Track (23-29 credits)

All courses except electives must include a laboratory component.

BIO 120 Understanding the Living World - NS (4 credits) ♦
BIO 120L Understanding the Living World Laboratory - SL (0 credits)
PHY 110 Introduction to Physics with Laboratory - SL (4 credits) ♦
AST 110 Solar System Astronomy with Laboratory - SL (4 credits)
GLY 110 Earth Science with Laboratory - SL (4 credits)
CHE 112 Chemistry and Society - NS (3 credits)
CHE 112L Chemistry and Society Laboratory - SL (1 credit) ♦

Select one course from the following:* (3-5 credits)

Life Sciences

BIO 150 Introduction to Biology I - NS (4 credits) ♦ and
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

BIO 151 Introduction to Biology II (4 credits) ♦ and
BIO 151L Introduction to Biology II Laboratory (0 credits)

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦ and
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

BIO 123 Human Ecology - NS (3 credits) ♦

BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦ and
BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦

Integrated Sciences

SCI 110 Integrative Science - SL (4 credits) ♦

Physical Sciences

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦

Earth and Space Science:

GLY 120 This Dangerous Earth - SB (3 credits) and
GLY 120L This Dangerous Earth Laboratory (1 credit)

GLY 115 History of the Earth - NS (3 credits)
AST 115 Stars, Galaxies, and Cosmology with Laboratory - SL (4 credits)

Total Credits 82-88

*Science electives: If credit hour total for track is **fewer than 24 hours**, select additional elective hours from the list above.

MIDDLE GRADES EDUCATION WITH SPECIAL EDUCATION

Students pursuing a middle grades education major may also choose to concurrently complete a second major in special education. For courses leading to certification in special education, refer to the Bachelor of Arts with a major in special education program description.

Music, B.A.

The Bachelor of Arts in music is a liberal arts degree designed for students who wish to develop their musical talents while acquiring a well-rounded education in other academic areas. Three tracks are offered for the student who wishes to combine musical study with a secondary area in audio production, music technology, or entrepreneurship. Students may enroll in the liberal studies track to combine musical study with a focus in business, psychology, mathematics, history, anthropology, and other fields to create a curriculum tailored to their academic and career interests.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (56 CREDITS)

Core Courses

MUSM 111 Music Theory I (3 credits) ♦
MUSM 112 Music Theory II (3 credits) ♦
MUSM 211 Music Theory III (3 credits) ♦
MUSM 212 Music Theory IV (3 credits) ♦
MUSM 122 Aural Skills I (1 credit)
MUSM 124 Aural Skills II (1 credit) ♦
MUSM 222 Aural Skills III (1 credit) ♦
MUSM 224 Aural Skills IV (1 credit) ♦
MUSM 132 Class Piano I (1 credit)
MUSM 134 Class Piano II (1 credit) ♦
MUSM 232 Class Piano III (1 credit) ♦
MUSM 234 Class Piano IV (1 credit) ♦
MUSM 109 Recital Review (0 credits) (must pass at least seven semesters)
MUSA 196 Freshman Proficiency Jury (0 credits)
MUSA 296 Sophomore Comprehensive Jury (0 credits)
MUSM 312 Computer Applications for Musicians (1 credit) ♦
MUSM 496 Senior Capstone (0-4 credits) ♦
Applied music - MUSA X01-X57 (8 credits)
Electives in music (must have advisor's approval) (12 credits)
Ensembles - any MUSE (6 credits)
MUSM 140 Introduction to Music History (1 credits)
MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
MUSM 242 Survey of Western Music I (2 credits)
Choose 3 credits from the following list (3)
MUSM 331 Keyboard Literature I (2 credits) ♦
MUSM 332 Keyboard Literature II (2 credits) ♦
MUSM 341 Vocal Literature (3 credits) ♦
MUSM 375 History of Jazz (1-3 credits) ♦

LIBERAL STUDIES TRACK (21 CREDITS)

Focus Electives 300-400 level (12 credits)
Electives (9 credits)

TOTAL CREDITS 77

Organizational Leadership, B.A.

Available in both traditional and fully-online formats.

Program Coordinator: Amanda Kilmer, Department of Political Science, Criminal Justice, and Organizational Leadership

The organizational leadership program explores both theoretical and practical understandings of leadership. Students examine leadership in various types of organizations and across organizational levels and positions while recognizing that leadership is not necessarily position-bound, but based on building relationships and effectively addressing challenges in all types of human groups, communities, and settings. Emphasis is placed on leadership in team and group settings and developing personal and professional leadership capacities. The program offers the chance for students to evolve from understanding leadership as a solitary, authoritarian phenomenon to a process that is inclusive and collaborative. Students who successfully complete the organizational leadership program will be able to understand theory, think critically, navigate and creatively solve complex problems, examine and handle ethical issues, facilitate intentional change, communicate effectively, use contemporary technology, and appreciate diverse and global perspectives. Partnering organizational leadership requirements with a secondary area of study (minor or focus) aligned with educational and career objectives equips students to collaborate, lead, and adapt to future needs in an area of interest.

Degree completion in organizational leadership is available in the following program delivery modes: (1) traditional face-to-face classes; (2) the Program for Adult-Learner Programs & Services (ALPS), an accelerated face-to-face evening program for adult learners; and (3) completely online.

For questions about organizational leadership, email the program coordinator.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (33 CREDITS)

Courses in Leadership (24 credits)

LDR 300 Foundations of Leadership (3 credits) ♦
LDR 308 Leadership Development (3 credits) ♦
LDR 310 Research Methods in Leadership (3 credits) ♦
LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
LDR 382 Organizational Theory and Change (3 credits) ♦
LDR 385 Teamwork in Organizations (3 credits) ♦
LDR 460 Leading in Diverse and Global Contexts (3 credits) ♦
LDR 480 Organizational Leadership Capstone (3 credits) ♦

Organizational Leadership Elective Courses (3 credits)

Select one of the following courses:

LDR 315 Leading People in Organizations (3 credits) ♦
LDR 320 Leading with Emotional Intelligence (3 credits) ♦
LDR 330 Budgeting for Leaders (3 credits) ♦
LDR 335 Lessons in Leadership (3 credits) ♦
LDR 394 Special Topics in Leadership (1-3 credits) ♦
*LDR 496 is a 1-6 hour course and must be taken for at least 3 hours to fulfill the elective.
PAD 420 Managing the Not-For-Profit Organization (3 credits) ♦
PAD 501 Human Resource Management (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦
LDR 496 Internship in Organizational Leadership (1-6 credits)

Courses in Other Disciplines (6 credits)

PSY 340 Social Psychology (3 credits) ♦
OR
SOC 303 Social Psychology (3 credits)

PSY 344 Industrial/Organizational Psychology (3 credits) ♦

FOCUS

A focus in Organizational Leadership consists of 12 credit hours of LDR coursework numbered 300 or higher. Students seeking a Focus on Organizational Leadership are required to earn a minimum overall 2.0 GPA in the coursework for their focus area.

FOUNDATION COURSES (12 CREDITS)

Students with fewer than 60 hours credit at admission or major declaration must complete the following four foundation courses.

LDR 101 Leadership in Action - SB (3 credits)
LDR 160 Leadership Around the World - AH (3 credits)
LDR 180 Leading Social and Cultural Change - SB (3 credits) ♦
LDR 205 Human Relations in Organizations (3 credits)

NOTE:

Students seeking additional elective hours to meet the minimum of 120 credit hours/45 upper division hours required for graduation may select any LDR course, provided they have not already completed them as part of the major requirements. Furthermore, other electives include: LDR 396 Leadership Practicum (1-6 credits) (variable credit one to 6 hours; repeatable for up to 12 hours), and the option to repeat LDR 394 for up to 12 credit hours as long as topics differ.

Philosophy, B.A.

The major in philosophy requires a total of at least 30 credit hours, seven required core classes (15 credit hours).

At least 18 credit hours must be 300 level or above. No more than 3 credit hours at the 100 level will count toward the required hours. Students must make a *C-* or better in all courses. At least 20 percent of the total required hours must be taken at NKU.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (30 CREDITS)

Core Courses

A minimum grade of C (2.00) is required for each of the core courses.

PHI 110 Philosophy, Individuals and Society - SB (3 credits)
OR
PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)

PHI 200 Introduction to Ethics - AH (3 credits)
OR
PHI 220 Health Care Ethics - AH (3 credits)

PHI 265 Logic - QR (3 credits) ♦

PHI 281 Careers and Philosophy

PHI 315 Knowledge and Reality (3 credits) ♦
OR
PHI 345 Philosophy of Mind (3 credits) ♦

PHI 305 Existentialism (3 credits) ♦
OR
PHI 393 History of Philosophy (3 credits) ♦

PHI 491 Philosophy Capstone (0 credits) ♦

Elective Courses (15 credits)

Select any philosophy courses not fulfilling requirements above, at least four of which must be at the 300 or 400 level and up to one of which may come from non-philosophy courses with approval of the program director.

Physical Education and Health (Leading to P-12 Teaching Certification), B.A.

The Physical Education and Health major prepares students to be effective physical and health education teachers at the elementary, middle, and secondary levels, through a strong content and pedagogy curriculum. Students are well prepared to pass state teacher certification exams and to apply for and achieve multi-state teaching certification. During each semester of the junior year and the first semester of the senior year, teacher candidates spend a minimum of 75 hours observing and teaching under the supervision of a certified physical education teacher and a university faculty member. During the final semester of the senior year, candidates complete a full semester of student teaching at both the elementary and secondary levels.

Those who enjoy sports and physical activity and are interested in helping children and adolescents stay healthy may find teaching physical education and health to be the ideal major. There continues to be a need for dedicated and effective physical education and health teachers in the schools, especially at a time when the percentage of children and adolescents who are obese in the United States is at an all-time high level. Within the next several years, the "baby boomers" who are currently teaching will be retiring, and the need for new teachers will increase dramatically. Students who graduate with a degree in physical education and health are also prepared to work with youth in community recreation, family fitness and sports centers, and to coach school and youth sports.

Students interested in majoring in physical education and health should first declare pre-physical education and health as a major and sign up to meet with an advisor in the College of Health and Human Services advising center and talk with a faculty member in the physical education program located in HC 206. Students will also have a second advisor in the College of Education. To apply for admission to the teacher education program, students must:

Earn 60 hours of course credit with an overall GPA of a 2.75 or higher.
Earn a minimum score of 150 on the Praxis I mathematics exam; a minimum score of 162 on the writing exam; and a minimum score of 156 on the Praxis I reading exam.
Complete " CMST 101 Public Speaking - OC (3 credits)" with a grade of *B* or better.
Complete " ENG 102 Writing and Research - WC (3 credits)" with a grade of *B* or better.
Pass " EDU 104 Orientation: Education Profession/Program (1 credit)."

To continue into the next professional semester, students must:

Successfully complete each of the professional semester course requirements with a *C* or better.
Complete a portfolio with a MET rating, on Kentucky Initial Teaching Standards.

To be eligible to student teach, students must:

Successfully complete professional semesters I, II, and III.
Maintain a 2.75 or higher overall GPA.
Maintain a GPA of 2.75 or higher in the major core content courses and the professional education courses.

A four year plan for this program is available.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (93 CREDITS)

Courses in School of Kinesiology Counseling, and Rehabilitative Sciences (40 credits)

KIN 125 Introduction to Physical Education, Fitness, and Sport (3 credits)
HEA 135 Safety and First Aid (3 credits)
KIN 313 Computer Applications for Health and Kinesiology (2 credits)
KIN 325 Motor Development, Learning, and Control (3 credits)
KIN 325L Motor Development, Learning, and Control (1 credit)
KIN 360 Statistics and Measurement in Kinesiology (3 credits) ♦
HEA 230 Personal Health and Wellness (3 credits)
HEA 370 Community Health (3 credits)
HEA 320 Drug and Alcohol Education (3 credits) ♦
HEA 350 Sexuality Education (3 credits) ♦
HEA 125 Foundations of Health Ed & Promotion (3 credits)
HEA 489 Field Experiences in Health Education (2 credits)
KIN 260 Introduction to Strength and Conditioning (3 credits)
KIN 295 Anatomical Kinesiology (3 credits) ♦

Courses in Physical Education (17 credits)

HPE 425 Teaching Methods in Health and Phys Educ (3 credits) ♦

PHE 333 Motor Skill and Fitness Activities for Children (3 credits)
PHE 231 Dance and Rhythmic Activities (2 credits)
PHE 334 Team Sports (2 credits)
PHE 335 Individual and Dual Sports (2 credits)
PHE 325 Adapted Physical Education (3 credits) ♦
PHE 490 Field Experiences in Elementary Physical Education (2 credits) ♦
PHE 491 Field Experiences in Middle/Secondary Physical Education (2 credit)

Courses in Other Disciplines (36 credits)

Students must apply for acceptance to the teacher education program during the semester of admission. Requirements for application: 2.75 or above overall GPA; Praxis scores as stated in the teacher education section of the catalog.

PSY 100 Introduction to Psychology - SB (3 credits)
EDU 104 Orientation: Education Profession/Program (1 credit)
EDU 300 Human Growth and Development (3 credits) ♦

EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
OR
EDU 530 Reading in Middle and Secondary Schools (1.5-3 credits)

EDU 305 Introduction to Education (2 credits) ♦
EDU 311 Admission Field Experience Secondary (2 credits) ♦
EDU 496 Clinical Experience Secondary (12 credits) ♦
EDS 322 Instructional Planning for Inclusive Elementary Classrooms (3 credits) ♦
BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦
BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦
ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)

Physical Education and Health (Non-Certification Track), B.A.

The physical education and health non-certification program prepares students to work with children and youth in YMCA community recreation centers, family fitness and sports centers, after school programs, summer camps, community health departments, and voluntary health organizations, as well as other physical and health education related agencies. The program consists of courses in sports skills (individual, dual and team sports), organization and administration, health education and other kinesiology related courses. The final course in the program is a community-based internship that is affiliated with community centers, health clubs and YMCAs where students receive on the job training as part of their fieldwork experiences.

A four year plan for this program is available.

DEGREE REQUIREMENTS (93 CREDITS)

Courses in Kinesiology, Counseling, and Rehabilitative Sciences (44 credits)

HEA 125 Foundations of Health Ed & Promotion (3 credits)
HEA 135 Safety and First Aid (3 credits)
KIN 125 Introduction to Physical Education, Fitness, and Sport (3 credits)
HEA 370 Community Health (3 credits)
KIN 200 Concepts of Lifetime Fitness (2 credits)
KIN 313 Computer Applications for Health and Kinesiology (2 credits)
KIN 325 Motor Development, Learning, and Control (3 credits)
KIN 325L Motor Development, Learning, and Control (1 credit)
KIN 360 Statistics and Measurement in Kinesiology (3 credits) ♦
KIN 450 Organization and Administration of Kinesiology and Athletics (3 credits) ♦
HEA 230 Personal Health and Wellness (3 credits)
HEA 320 Drug and Alcohol Education (3 credits) ♦
HEA 350 Sexuality Education (3 credits) ♦
KIN 260 Introduction to Strength and Conditioning (3 credits)
KIN 295 Anatomical Kinesiology (3 credits) ♦
KIN 350 Psychology of Physical Activity (3 credits) ♦

Courses in Physical Education (24 credits)

PHE 333 Motor Skill and Fitness Activities for Children (3 credits)
PHE 231 Dance and Rhythmic Activities (2 credits)
PHE 334 Team Sports (2 credits)
PHE 335 Individual and Dual Sports (2 credits)
PHE 390 Practicum in Recreational Leadership (3 credits) ♦
PHE 496 Internship in Recreation Leader (9 credits) ♦
PHE 325 Adapted Physical Education (3 credits) ♦

Courses in Other Disciplines (10 credits)

BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦
BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦
ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)
PSY 100 Introduction to Psychology - SB (3 credits)

Electives (15 credits)

Select approved electives in PHE, KIN, HEA, EDU and SPB (15 credits).

Physics, B.A.

The Bachelor of Arts degree with a major in physics provides a basic core of physics courses and is most appropriate for students pursuing dual majors where the second major may be engineering, mathematics, computer science, or education with an emphasis on physical sciences. The Bachelor of Arts in physics requires 37 credit hours of physics or astronomy courses (plus 24 hours of

additional required courses in related fields). General graduation requirements include 45 hours of 300- or 400-level courses, so students seeking the Bachelor of Arts in physics need to take at least 14 hours of 300- or 400-level courses in addition to the courses required for the degree. Students should choose these courses in consultation with their advisor, but additional elective courses in physics, computer science, and mathematics are highly recommended.

A student pursing a B.S. in Physics has to complete a minor or a focus.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (58 CREDITS)

Core Courses (34 credits)

PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ *
PHY 222 University Physics with Laboratory II (4 credits) ♦ *
PHY 224 University Physics with Laboratory III (4 credits) ♦ *
PHY 300 Intermediate Physics Laboratory (2 credits)
PHY 310 Dynamics (3 credits) ♦
PHY 360 Thermodynamics (3 credits) ♦
PHY 361 Modern Physics I (3 credits) ♦ *
PHY 393 Physics Seminar (1 credit) ♦
Select 9 credit hours of PHY or AST at the 300 level or above (9 credits)

Courses in Other Disciplines (24 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
MAT 129 Calculus I - QR (4 credits) ♦ **
MAT 229 Calculus II (5 credits) ♦ **
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦

Note:

*A *C*- or better is required to proceed to the next-level physics course.

**" MAT 128 Calculus A - QR (3 credits)," " MAT 227 Calculus B (3 credits)," " MAT 228 Calculus C (3 credits)" can be taken instead of " MAT 129 Calculus I - QR (4 credits)" and "MAT 229 Calculus II (5 credits)."

Political Science, B.A.

Program Coordinator: Kimberly Weir, Department of Political Science, Criminal Justice and Organizational Leadership

The major in political science provides a comprehensive understanding of politics. It does so by acquainting students with the literature of the discipline in six different areas (American politics, comparative politics, international politics, law, political theory, and public policy) and by equipping students with methodological tools necessary for sound and critical analysis of political institutions of behavior and of processes by which public policy is formed. The faculty also seek to engage students in a partnership of research and other scholarly endeavors.

There are 36 hours of required classes for the Bachelor of Arts. In addition, students are required to complete 15 hours of political science electives.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (45 CREDITS)

Core Requirements

PSC 100 American Politics - SB (3 credits)
PSC 102 Comparative Politics - AH (3 credits)
PSC 103 International Politics - AH (3 credits)
PSC 110 Political Ideas (3 credits)
PSC 215 Scope and Methods (3 credits) ♦ (taken prior to 96 hours)

Political Institutions (pick one)
PSC 301 American Political Institutions (3 credits) ♦
PSC 311 Political Parties and Interest Groups (3 credits) ♦

Public Policy (pick one)
PSC 403 Politics in Action (3 credits) ♦
PSC 415 United States Foreign Policy (3 credits) ♦

Political Behavior (pick one)
PSC 310 Political Behavior (3 credits) ♦
PSC 319 Public Opinion (3 credits) ♦

Political Theory (pick one)
PSC 312 Modern Ideologies (3 credits) ♦
PSC 372 Modern Political Theory (3 credits) ♦

Comparative Politics (pick one)
PSC 465 Democratization (3 credits) ♦
PSC 485 Comparative Foreign Policies (3 credits) ♦

International Politics (pick one)
PSC 410 International Political Economy (3 credits) ♦
PSC 470 Globalization (3 credits) ♦

Electives (four courses)

12 hours of upper level electives (300/400-level PSC courses), which can include PSC 204 (formerly PSC 304). At least one elective must be a study abroad course, internship (PSC 496), or research course (defined by the University as 392 or S-designation).Students

can also count three hours total of elective credit from PSC 392 (directed research), PSC 496 (internship), or PSC 499 (directed readings).

ADDITIONAL PROGRAM INFORMATION

The Bachelor of Arts is conferred upon those students completing all requirements for the major or minor in political science and other NKU requirements for the degree, which includes a minimum GPA of 2.0 in all major coursework and earning at least a *C-* in each course counted.

Double Dipping: Only two courses meeting these degree requirements may also be used to satisfy general education requirements. As per department policy, students majoring in any programs within the department are permitted to reuse no more than 1 course (3 credit hours), from the major, towards a Focus Area or 2 courses (6 credit hours), from the major, towards a minor (where applicable).

PSC 496 and PSC 499 cannot count toward secondary requirements.

Psychological Science, B.A.

Special graduation requirements:

To graduate, students majoring in psychological science must have a grade of C- or better in all courses applied toward certification of the major, minor, or area of focus, as well as an overall 2.00 GPA in the discipline. This includes courses listed below for tracks A and B on each of the two degree programs.

Psychological science majors are required to participate in a standardized assessment test given by the department prior to graduating. This is in addition to the university's graduation requirements.

Transfer students must complete at least half of their required coursework in psychological science at NKU.

PSYCHOLOGICAL SCIENCE MAJOR

The psychological science major is designed to provide students with flexibility in the selection of courses to meet their individual interests and career goals. Students must meet with a psychological science faculty advisor during the first semester following the declaration of psychological science as their major to design a program of coursework based on their individual needs. All students must meet with a faculty advisor in subsequent semesters for assistance in career planning and course selections to meet degree requirements. For students planning to pursue graduate study in psychology, the department strongly recommends a broad and balanced program of applied and theoretical courses with careful planning to meet the requirements for admission to graduate schools in psychology. In addition, such students are encouraged to take more than the minimum number of required courses, including advanced courses that involve the opportunity for independent or supervised research. The department offers a variety of special topics (PSY 494) classes. Recent topics have included "Drug Policy," "Psychology of Religion," and "Psychology of Money." Students should consult the schedule of classes each semester for information about available special topics classes.

All psychological science majors must complete the requirements listed below for the major plus the additional credit hours required for either the Bachelor of Arts or the Bachelor of Science degree.

Degree Requirements (46 credits)

Core Courses (46 credits)

PSY 100 Introduction to Psychology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

PSY 210 Research Methods and Lab (5 credits) ♦
OR
PSY 211 Research Methods A (3 credits) ♦
AND
PSY 212 Research Methods B (2 credits) ♦

PSY 210R Career Planning for Psychology Majors (1 credit)
PSY 305 Psychological Tests & Measures (3 credits) ♦
PSY 311 Biopsychology (3 credits) ♦
PSY 321 Lifespan Development (3 credits) ♦
PSY 337 Animal Learning (3 credits) ♦
PSY 338 Cognitive Processes (3 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦

Elective (13 credits)

Select five PSY courses (must total at least 13 credit hours). At least three of these courses must be at the 300 or 400 level. Optional two-credit-hour laboratory classes also may be included in this category.

ADDITIONAL REQUIREMENTS (3-6 CREDITS)

Students who wish to complete the requirements for the Bachelor of Arts in psychological science must complete either track A or B listed below:

Track A (6 credits)

A minimum of 6 credit hours in the same foreign language or its equivalent. This requirement is in addition to current general education requirements, so students cannot use these foreign language courses to meet the Foundation of Knowledge Culture and Creativity requirement.

Track B (3 credits)

Successful completion of 3 credit hours in a study-abroad program approved by the NKU Office of Education Abroad. The course does not have to be in psychology. If the study abroad course is in

psychology, then it may also count as an elective for the major (included in the 13 hours of elective credits).

TOTAL CREDITS 49-52

Public Relations, B.A.

Students electing to major in public relations will enter a program of interdisciplinary study leading to career opportunities within organizations and PR firms. The major has an academic and applied orientation where students learn principles, skills, and practices that prepare them for entry to mid-level positions in public relations. Students take courses in public relations, communication studies, journalism, and electronic media and broadcasting. Skills emphasized in these courses are research, strategic planning, writing, presenting, analyzing, and creating.

Students majoring in public relations must complete 42 credit hours of study as outlined below, and take " CMST 101 Public Speaking - OC (3 credits)" or " CMST 110 Introduction to Communication Studies - OC (3 credits)" for the oral communication requirement of their general education program. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

Special graduation requirements: All majors and minors must earn a letter grade of *C*- or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (39 CREDITS PLUS 6 FOUNDATION OF KNOWLEDGE CREDITS)

Foundations of Knowledge coursework (6 credits)

Students must take one of the following two courses in each section to fulfill their Oral Communication and Culture and Creativity requirements in their general education curriculum.

CMST 101 Public Speaking - OC (3 credits)
OR
CMST 110 Introduction to Communication Studies - OC (3 credits)

EMB 100 Media Literacy - AH (3 credits)
OR
JOU 110 Introduction to Mass Communication - SB (3 credits)

Core Courses (36 credits)

JOU 220 News Writing (3 credits) ♦
CMST 220 Interpersonal Communication (3 credits) ♦
PRE 275 Principles of Public Relations (3 credits) ♦

CMST 303 Organizational Communication (3 credits) ♦
OR
PRE 365 Client Operations and Processes (3 credits) ♦

CMST 340 Strategies of Persuasion (3 credits) ♦
OR
PRE 300 Event Planning and Messaging (3 credits) ♦

PRE 376 Public Relations Writing (3 credits) ♦
PRE 385 Public Relations Research Methods (3 credits) ♦
PRE 377 Public Relations Case Studies and Campaigns (3 credits) ♦

JOU 321 Digital Publishing (3 credits) ♦
OR
PRE 415 Public Relations Metrics and Tools (3 credits) ♦

PRE 400 Public Relations Planning and Account Management (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦

PRE 394 Topics in Public Relations (3 credits)
OR
PRE 355 International Public Relations (3 credits) ♦
OR
Select one 300/400-level elective in CMST, DFX, EMB, HCOM, JOU, POP or PRE (3 credits)

Applied Experiential Courses (3 credits)

Select one course from the following:

PRE 396 Public Relations Internship (3 credits) ♦
PRE 492 Directed Research (0-6 credits) ♦
PRE 499 Independent Study in Public Relations (1-3 credits) ♦

Secondary Education (8-12/P-12), B.A.

Successful completion of the secondary education (8-12/P-12) program leads to the Bachelor of Arts and is the first step toward attaining certification to teach in one's chosen field in a secondary school program (8-12) in Kentucky. Students completing the secondary education program must also complete a second major in their selected teaching content through the corresponding department. Students wishing to enroll in the secondary education program must follow the admission guidelines outlined by the College of Education. It is suggested that freshmen or other interested students declare a pre-education major in secondary education. Doing so will enable the student to be assigned to a teacher education advisor. The advisor will be familiar with the current curriculum and admission requirements as well as any impending changes that may occur prior to the student's admission semester. Upon successful completion of this program, the graduate will qualify for an institutional recommendation for a Kentucky Provisional Certificate for teaching in the secondary grades (8-12) or in all grades (P-12) depending upon the selected teaching field.

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:

Overall GPA of 2.75.
Pedagogy (EDU and EDS courses) GPA of 2.75.
Content course GPA of 2.75.
NKU coursework GPA of 2.75.
Minimum grade of C (not C-) in all education (EDS / EDU) courses.

♦ Indicates prerequisite

DEGREE REQUIREMENTS (53-56 CREDITS)

Core Courses in Teacher Education (41-44 credits)

EDU 104 Orientation: Education Profession/Program (1 credit) *
EDU 300 Human Growth and Development (3 credits) ♦

EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
OR
EDU 530 Reading in Middle and Secondary Schools (1.5-3 credits)

EDU 305 Introduction to Education (2 credits) ♦
EDU 311 Admission Field Experience Secondary (2 credits) ♦
EDU 313 Instructional Technology (3 credits) ♦
EDU 319 Classroom Climate Management Secondary (2 credits) ♦
EDU 324 Fundamentals of Secondary Education (1 credit) ♦
EDU 325 Educational Assessment Secondary (2 credits) ♦
Select the methods courses for chosen teaching field (3-6 credits)
EDU 393 Secondary Field Experience I (2 credits)
EDU 396 Secondary Field Experience II (2 credits)
EDU 496 Clinical Experience Secondary (12 credits) ♦
EDS 324 Instructional Planning for Inclusive Secondary Classrooms (3 credits) ♦
EDS 360 Students with Exceptionalities in School (3 credits) ♦

**EDU 104 is a prerequisite course for all other EDU and EDS courses except EDU 300 and EDS 360.*

Core Courses in Other Disciplines (9 credits)

PSY 100 Introduction to Psychology - SB (3 credits)
CMST 101 Public Speaking - OC (3 credits)
ENG 102 Writing and Research - WC (3 credits) ♦
NOTE: ALL of these courses fulfill general education requirements in Individual and Society and Oral Communication.

SELECTED TEACHING FIELD*

Students should refer to the content area department for specific content course requirements in the selected teaching field.
Art (P-12)
Biology (8-12)
Chemistry (8-12)
Earth/Space Science (8-12)
English (8-12)
Health Education (P-12) - must be paired with another certification area
Mathematics (8-12)
Music (P-12) - refer to Department of Music for degree requirements
Physical Education (P-12)
Physics (8-12)
Social Studies (8-12) - refer to Department of History and Geography for degree requirements
World Languages (P-12): French, German, Spanish

**Credits Vary*

SECONDARY EDUCATION WITH SPECIAL EDUCATION

Students pursuing secondary education certification may also choose to concurrently complete a second major in special education. For courses leading to certification in special education, refer to the Bachelor of Arts with a major in special education program description.

Social Studies with a Secondary Education Certification, B.A.

Students pursuing social studies certification for secondary education should review the portion of the undergraduate catalog relating to secondary education program requirements. Upon deciding to pursue the teacher education program, students must schedule an appointment with the certification specialist in the College of Education and Human Services. To complete degree requirements, students must satisfy social studies, education, and general education requirements. An overall GPA of 2.75 is required for admission and retention of students in the social studies program. Students must meet with their social studies secondary education advisor in the history and geography department to register for their 57 credit hours of social studies content classes, as outlined below. For core courses in education, students must meet separately with their advisor in the College of Education and Human Services.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (60 CREDITS)

Courses in History and Geography (30 credits)

GEO 100 Geography and the Human Landscape - AH (3 credits)
OR
GEO 101 World Regional Geography (3 credits)

HIS 102 History of the United States through 1877 - AH (3 credits)

HIS 103 History of the United States since 1877 - AH (3 credits)
HIS 108 World History to 1500 (3 credits)
HIS 109 World History since 1500 (3 credits)
HIS 111 Global Viewpoints in History - AH (3 credits)
HIS 291W Advanced Historical Writing - WC (3 credits)
Select three 300/400/500-level HIS courses (9 credits)

Courses in Other Disciplines (30 credits)

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
OR
ANT 201 World Cultures - SB (3 credits)

ECO 205 Economics for Teachers (3 credits)
PSC 100 American Politics - SB (3 credits)

PSC 102 Comparative Politics - AH (3 credits)
OR
PSC 103 International Politics - AH (3 credits)

PSY 100 Introduction to Psychology - SB (3 credits)
SOC 100 Introduction to Sociology - SB (3 credits)

EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
OR
EDU 530 Reading in Middle and Secondary Schools (1.5-3 credits)

Select three 300/400/500-level courses in any social studies disciplines other than history (9 credits)

Spanish, B.A.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

Students wishing to be certified to teach Spanish at the secondary level should complete the requirements for Bachelor of Arts in Spanish outlined above in conjunction with a Bachelor of Arts in Secondary Education. Students should review the section of the catalog describing the BA - Secondary Education track within the Department of Teacher Education. Students pursuing this option must also take WLL 450 Methods of Teaching World Languages (3 credits) , which is offered in the fall of even numbered years.

Special graduation requirements: No course in which a grade below a C- is earned can be used to fulfill the major course requirements in French, German, Japanese or Spanish.

DEGREE REQUIREMENTS (36 CREDITS)

Core Courses

SPI 201 Intermediate Spanish I (3 credits) ♦
SPI 202 Intermediate Spanish II (3 credits) ♦
SPI 304 Spanish Composition and Conversation (3 credits) ♦

SPI 401 Spanish Phonetics and Pronunciation (3 credits) ♦
OR
SPI 402 Advanced Spanish Grammar and Syntax (3 credits) ♦

SPI 480 Studies in Spanish and Spanish-American Culture (3 credits) ♦
SPI 481 Studies in Spanish and Spanish-American Literature (3 credits) ♦
WLL 400 World Languages Program Assessment (0 credits) ♦

ALL SPANISH MAJORS MUST FOLLOW ONE OF THE FOLLOWING TWO TRACKS

Cultural and Literary Studies Track

Culture Study (6 credits)

Select two courses from the following not already taken

SPI 294 Topics in Spanish for the Professions (3 credits) ♦
SPI 307 Introduction to Spanish Translation (3 credits) ♦
SPI 310 Spanish Culture and Civilization (3 credits) ♦
SPI 311 Spanish-American Culture and Civilization (3 credits) ♦
SPI 330 Studies in Spanish Language Cinema (3 credits) ♦
SPI 340 Business Spanish (3 credits) ♦
SPI 401 Spanish Phonetics and Pronunciation (3 credits) ♦
SPI 402 Advanced Spanish Grammar and Syntax (3 credits) ♦
SPI 480 Studies in Spanish and Spanish-American Culture (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦ (culture topic)

Literary Study (6 credits)

Select two courses from the following not already taken

SPI 320 Survey of Peninsular Spanish Literature (3 credits) ♦
SPI 321 Survey of Spanish-American Literature (3 credits) ♦
SPI 322 Hispanic Drama (3 credits) ♦
SPI 323 Hispanic Prose Fiction (3 credits) ♦
SPI 481 Studies in Spanish and Spanish-American Literature (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦ (literary topic)

Interdisciplinary component (3 credits)

Select one course from the following

ANT 245 Peoples of Latin America and the Caribbean - SB (3 credits)
ANT 275 Language and Culture (3 credits)
ANT 360 Mesoamerican Indians (3 credits) ♦
CIN 301 Survey of World Cinema (3 credits)
ENG 206 Western World Literature I (3 credits) ♦
ENG 207 Western World Literature II (3 credits) ♦
ENG 350 Critical Theory (3 credits) ♦
ENG 381 Introduction to Linguistics (3 credits) ♦
HIS 326 Latin America: Nations & Revolutions (3 credits) ♦

HIS 365 Ancient European Military History (3 credits) ♦
HIS 471 Medieval and Early Modern Europe (3 Credits)
HIS 472 Modern and Contemporary Europe (3 Credits)
MGT 360 Comparative International Management (3 credits) ♦
PSC 330 Politics of Europe (3 credits) ♦
PSC 335 Politics of Latin America (3 credits) ♦

Elective (3 credits)

Select any one course from among the following:

Any SPI course above the 202 level
WLL 396 World Languages and Literatures Internship (3 Credits)

Applied Spanish with Required Professional Studies Minor

Culture Study (6 credits)

Select two courses from the following not already taken

SPI 310 Spanish Culture and Civilization (3 credits) ♦
SPI 311 Spanish-American Culture and Civilization (3 credits) ♦
SPI 330 Studies in Spanish Language Cinema (3 credits) ♦
SPI 401 Spanish Phonetics and Pronunciation (3 credits) ♦
SPI 402 Advanced Spanish Grammar and Syntax (3 credits) ♦
SPI 480 Studies in Spanish and Spanish-American Culture (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦

Literary Study (6 credits)

Select two courses from the following not already taken

SPI 321 Survey of Spanish-American Literature (3 credits) ♦
SPI 320 Survey of Peninsular Spanish Literature (3 credits) ♦
SPI 322 Hispanic Drama (3 credits) ♦
SPI 323 Hispanic Prose Fiction (3 credits) ♦
SPI 481 Studies in Spanish and Spanish-American Literature (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦

Courses for the Professions (6 credits)

Select any two of the following

SPI 294 Topics in Spanish for the Professions (3 credits) ♦
SPI 307 Introduction to Spanish Translation (3 credits) ♦
SPI 340 Business Spanish (3 credits) ♦
WLL 396 World Languages and Literatures Internship (3 Credits) ♦
WLL 450 Methods of Teaching World Languages (3 credits) ♦

Required Professional Studies Minor

A professional studies minor is defined as:

Students in this track are required to take a professional minor (or professional major) to complete the requirements. The available professional minors are listed below. Speak to your department chair or program director about double majoring using a professional major if you are interested.

Business

Accounting (23 credits)
Business Analytics (24 credits)
Business (28 credits)
Construction Management Minor (24 credits)
Economics (24 credits)
Entrepreneurial Studies Minor (18 credits)
Finance Minor (18 credits)
Managemente Minor (21 credits)
Marketing Minor (18 credits)
Sports Business and Event Management Minor (18 credits)
Sports Medicine and Exercise Science Minor (22-23 credits)

Communications, Journalism, Government & Non-profit Agencies

Communication Studies (21 credits)
Journalism (21 credits)
Organizational Leadership Minor (18 credits)
Professional Writing (21 credits)
Public Service (18 credits)

Informatics

Computer Forensics (21 credits)
Computer Information Technology Minor (22 credits)
Computer Science Minor (21-24 credits)
Data Science (22 credits)
Electronic Media Broadcasting (21 credits)
Electronics Technology (21 credits)
Geographic Information Systems Minor (18-19 credits)
Information Security Minor (28-31 credits)
Information Systems Minor (24 credits)
International Business Minor (18 credits)

Health Professions

Culture, Society, and Health Minor (21-22 credits)
Health Communication Minor (21 credits)
Health Informatics Minor (25 credits)
Health Promotion Minor (25 credits)
Healthcare Ethics and Policy Minor (21 credits)
Human Services and Addictions Minor (21 credits)

Law/Criminal Justice

Criminal Justice Minor (21 credits)
Criminalistics Minor (21 credits)
Pre-Law (21 credits)

Sciences

Biological Sciences (20 credits)
Chemistry (20 credits)
Environmental Studies Minor (22 credits)
Industrial Technology Minor (21 credits)
Neuroscience Minor (23 credits)
Physics (21 credits)

Special Education (P-12), B.A.

Students who want to become special education teachers must also major in either elementary, middle, or secondary (high school)

teaching. Those choosing to major in special education will work with students who have identified learning disabilities, behavior disorders, mild intellectual disabilities, and/or physical and health disabilities. The special education teacher may work alongside a general education teacher providing support, accommodations, and modifications to students with disabilities in the general education classroom; may provide more individualized instruction to students with disabilities in a resource room; or may teach students with disabilities in a self-contained special education classroom. When finished, students may apply for certification to teach individuals with learning and behavior disorders from kindergarten through 12th grade. Students must maintain an overall GPA of 2.75 throughout the program. Additionally, students will need to work closely with their assigned advisor to ensure that requirements for both general education teaching certification (elementary, middle, or secondary), as well as the requirements for special education teaching certification, are met.

You should also know: At the time of graduation, all students in teacher education programs must meet the following requirements:

Overall GPA of 2.75.
Pedagogy (EDU and EDS courses) GPA of 2.75.
Content course GPA of 2.75.
NKU coursework GPA of 2.75.
Minimum grade of C (not C-) in all education (EDS / EDU) courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (38 CREDITS)

Core Courses (15 credits)

EDS 364 Characteristics of Learning Disabilities (3 credits) ♦
EDS 365 Characteristics of Emotional/Behavioral Disorder (3 credits) ♦
EDS 561 Intellectual and Orthopedic Disabilities (3 credits) ♦
EDS 570 Working with Families of Students with Disabilities (3 credits) ♦
EDS 572 Secondary Special Education Programs (3 credits) ♦

Professional Semester III - Special Education Block (11 credits)

(every fall semester; spring semester based upon need)

EDS 362 Applied Behavior Analysis for Students with Disabilities (3 credits)
EDS 464 Assessment Learning and Behavior Disorders (3 credits) ♦
EDS 472 Special Education Methods and Materials (3 credits) ♦
EDS 473 Special Education Field Experience (2 credits)

Professional Semester IV - Clinical Experience (12 credits)

Select one course from the following

EDU 492 Clinical Experience Elementary with Special Education (12 credits)
EDU 493 Clinical Experience Middle Grades with Special Education (12 credits) ♦
EDU 497 Clinical Experience Secondary with Special Education (12 credits)

MIDDLE GRADES EDUCATION WITH SPECIAL EDUCATION TRACK (6 CREDITS)

MAT 116 Arithmetic Structures for MG Teachers (3 credits) ♦
MAT 141 Geometry I for K-8 Teachers (3 credits) ♦

TOTAL CREDITS 44

SECONDARY EDUCATION WITH SPECIAL EDUCATION TRACK (9 CREDITS)

MAT 140 Arithmetic Structures for Elem. Teachers (3 credits) ♦
MAT 141 Geometry I for K-8 Teachers (3 credits) ♦
EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)

TOTAL CREDITS 47

Theatre, B.A.

This is a liberal arts-based degree ideal for the student who wishes to pursue multiple interests in theatre and dance.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (41 CREDITS)

Core Courses

TAR 104 Introduction to NKU Theatre and Dance (1 credit)
TAR 110 Acting I (3 credits)
TAR 118 Stage Make Up (3 credits)
TAR 160 Introduction to Stagecraft (2 credits)
TAR 160L Stagecraft Laboratory (1 credit)
TAR 204 Life as an Artist 1 credit
TAR 340 Playscript Analysis (3 credits)
TAR 346 Theatre History (3 credits)
TAR 347 Dramatic Literature (3 credits)
Select 3 TAR credit hours from group II or group III (3 credits)
Select 15 TAR/DAN credit hours in group I, group II, group III, group IV, group V, group VI or group VII (15 credits)

Production Credits (3 credits)

TAR 390 Production Credits (1 credit) ♦
TAR 391 Production Credits (1 credit) ♦
TAR 490 Production Credits (1 credit) ♦
TAR 491 Production Credits (1 credit) ♦

Note:

A minor or focus is required.

Visual Communication Design, B.A.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

Special admission requirements: For admission to the Bachelor of Arts in visual communication design, students must complete the ARTV 283.

♦ Indicates prerequisite

DEGREE REQUIREMENTS

Core Courses (12 credits)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦ *

Note:

*ART 291W Advanced Writing-Writing/Artists - WC (3 credits) fulfills the general education requirements for Written Communication II.

VISUAL COMMUNICATION DESIGN (54 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTV 201 Intro to Computer Graphics for Design (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦
ARTV 215 Visual Communication Design (3 credits) ♦
ARTV 217 Typography I (3 credits) ♦
ARTV 283 Visual Communication Admittance Review (0 credits) ♦
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTV 317 Typography II (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦
ARTV 315 Visual Communication Design II (3 credits) ♦
ARTV 330 Interaction Design for Visual Communication Design I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦

ARTR 272 Printmaking I (3 credits) ♦
OR
ARTR 375 Screen Printing (3 credits) ♦

ARTV 325 Techniques in Visual Communication Design (3 credits) ♦
ARTH 321 History of Visual Communication Design (3 credits) ♦
Select one 300/400-level ARTH course (3 credits)
Select one studio elective at the 200 level or above (3 credits)
Select one studio elective at the 300 level or above (3 credits)

TOTAL CREDITS 66

BACHELOR OF FINE ARTS

Art and Design, B.F.A.

The B.F.A. degrees are the nationally accepted professional degrees in visual arts. These degrees are restricted and carry a high level of expected growth and involvement on the student's part. B.F.A. students are not required to earn a minor outside of the art and design, so spend more time studying in studios. All students seeking a Bachelor of Fine Arts in art and design must complete the 12-credit-hour core plus one of the 8 tracks listed here: animation, art history, drawing, integrative media, new media art, painting, photography, or spatial arts (ceramics and sculpture). Upon completion of 60 semester hours* in the university and 27 semester hours in art, students who intend to apply for admission to the B.F.A. degree option should register for ART 299 Portfolio Review (0 credits). Students must have a 2.5 university GPA or higher to be accepted into the B.F.A. program and must maintain this minimum overall GPA to graduate with a B.F.A. degree from the program.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (12 CREDITS)

Core Courses

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦ *

Note:

* ART 291W Advanced Writing-Writing/Artists - WC (3 credits) fulfills the general education requirements for Written Communication II.

ART HISTORY TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 304 Survey of Asian Art (3 credits) ♦
ARTH 355 Art of the Twentieth Century (3 credits) ♦
Select four 300/400 ARTH courses (12 credits)
ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ART 450 Advanced Studio Seminar (3 credits)
ART 497 Senior Exhibition (1 credit) ♦
ART 499 Gallery/Museum Internship (1-3 credits) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)
Select two studio art electives (6 credits)

Foreign language requirement (12 credits)

four semesters or high school equivalent in Arabic, Chinese, French, German, Italian, Japanese, Latin, Russian, or Spanish

Electives (9 credits)

Select 9 credit hours of electives from anthropology, history, philosophy, and religion. (Consult with advisor regarding appropriate courses; other courses are available upon approval)

TOTAL CREDITS 76

DRAWING TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 355 Art of the Twentieth Century (3 credits) ♦
Select two 300/400-level ARTH courses (6 credits)
ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦ (take twice)
ARTP 330 Painting II (3 credits) ♦
ARTD 410 Advanced Drawing (3 credits) ♦ (take twice, once in conjunction with ART 497)
ARTP 430 Painting III (3 credits) ♦
ART 450 Advanced Studio Seminar (3 credits)
Select two studio elective courses in ART, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR, or ARTS (6 credits)
ART 497 Senior Exhibition (1 credit) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)
ARTR 375 Screen Printing (3 credits) ♦

TOTAL CREDITS 76

NEW MEDIA ART TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
Select two ARTH 300/400-level courses (6 credits)
ARTH 454 Art Now (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTM 350 Video, Installation & Sound I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTM 331 Digital Arts & Effects (3 credits) ♦
ARTM 450 Video Installation and Sound II (3 credits) ♦
ART 450 Advanced Studio Seminar (3 credits)
ARTM 460 Advanced New Media Art (3 credits) ♦ (Take twice, once in conjunction with ART 497)
ART 497 Senior Exhibition (1 credit) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)

Studio Techniques (3 credits)

Select one course from the following

ART 317 Web and Social Media for Artists (3 credits) ♦
OR
ARTS 360 Techniques in Sculpture (3 credits) ♦

Topics in New Media Art (6 credits)

Select two courses from the following

ARTM 394 Topics in New Media Art (3 credits) ♦
ARTM 360 Robotic Art (3 credits) ♦
ARTM 361 A.I. and Interactive Media Studio (3 credits) ♦

Studio Art or Media Informatics Elective (3 credits)

Select one course from the following

Any Studio Art course (including ARTA)
OR
DFX 240 Introduction to Interactive Media (3 credits) ♦
DFX 245 3D Modeling Fundamentals (3 credits) ♦
DFX 352 Project Research Management (3 credits) ♦

TOTAL CREDITS 76

INTEGRATIVE MEDIA TRACK (64 CREDITS)

Integrative Media is for the student whose work combines two or more media. To pass into this track, a student must show evidence of this approach during the Portfolio Review.

Special admission requirements: To apply, submit a letter to the professors/area coordinators in the disciplines to be integrated a minimum of 2 weeks before Portfolio Review explaining the rationale for why the Integrative Media emphasis is the appropriate track for study.

If the student is accepted, an Integrative Media Track Committee will be created composed of two or three appropriate faculty members chosen by the student and the Portfolio Review Committee by the end of the semester of the student's Portfolio Review. This committee, in consultation with the student, will develop a course of study appropriate to the development of the student's work. This must be approved by the Visual Arts program head.

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 454 Art Now (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦
Select two 300/400-level ARTH courses (6 credits)
ARTP 230 Painting I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTM 350 Video, Installation & Sound I (3 credits) ♦
ART 450 Advanced Studio Seminar (3 credits)
ART 497 Senior Exhibition (1 credit) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)
Select studio electives with committee and department chair approval (27 credits)

TOTAL CREDITS 76

PAINTING TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 355 Art of the Twentieth Century (3 credits) ♦
Select one 300/400-level ARTH course (3 credits)
ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦ (take twice)
ARTP 330 Painting II (3 credits) ♦ (take twice)
ARTP 333 Materials and Techniques in Painting (3 credits) ♦ (This course is offered every other year in the fall semester.)
ARTD 410 Advanced Drawing (3 credits) ♦
ARTP 430 Painting III (3 credits) ♦ (take twice, once in conjunction with ART 497)
Select one 300/400-level art history or studio course in ART, ARTA, ARTC, ARTD, ARTH, ARTM, ARTO, ARTP, ARTR, or ARTS (3 credits)
ART 450 Advanced Studio Seminar (3 credits)
ART 497 Senior Exhibition (1 credit) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)
ARTR 375 Screen Printing (3 credits) ♦

TOTAL CREDITS 76

PHOTOGRAPHY TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 454 Art Now (3 credits) ♦
ARTH 358 History of Photography (3 credits)
ARTD 210 Drawing I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦

ARTM 350 Video, Installation & Sound I (3 credits) ♦
OR
EMB 210 Single Camera Production (3 credits) ♦

ARTO 310 Photography II: Digital Techniques (3 credits) ♦
ARTO 312 Introduction to Studio and Location (3 credits) ♦
ARTO 415 Documentary Photography (3 credits) ♦
ART 317 Web and Social Media for Artists (3 credits) ♦
ARTO 414 Advanced Studio Photography (3 credits) ♦
Select one 300/400-level course in art history or studio art in ART, ARTC, ARTD, ARTH, ARTM, ARTO, ARTP, ARTR, or ARTS (3 credits)
ARTO 410 Advanced Concepts in Photography (3 credits) ♦ (Take twice, once in conjunction with ART 497)
ART 450 Advanced Studio Seminar (3 credits)
ART 497 Senior Exhibition (1 credit) ♦
ART 297 Portfolio Review (0 credits) ♦ (to be taken second semester of year 2 or first semester of year 3 at the latest)

Select one course from the following (3 credits)

ARTO 411 Summer Workshop in Photography (3 credits) ♦
ARTO 413 Advanced Location Photography (3 credits) ♦

TOTAL CREDITS 76

SPATIAL ARTS TRACK (64 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
Select one ARTH 300/400-level course (3 credits)
ARTH 454 Art Now (3 credits) ♦
ARTC 240 Ceramics I (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦

ARTM 350 Video, Installation & Sound I (3 credits) ♦
OR
TAR 361 Design and Construction of Stage Properties (3 credits) ♦

ARTO 210 Photography I (3 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ARTC 341 Ceramic Sculpture (3 credits) ♦
ARTS 360 Techniques in Sculpture (3 credits) ♦
Select two 300/400-level courses in art history or studio art in ART, ARTA, ARTC, ARTD, ARTH, ARTM, ARTO, ARTP, ARTR, or ARTS (6 credits)
ART 450 Advanced Studio Seminar (3 credits)
ARTS 460 Advanced Spatial Arts (3 credits) ♦ (take twice, once in conjunction with ART 497)
ART 497 Senior Exhibition (1 credit) ♦
ARTV 297 VCD Portfolio Review (0 credits) ♦ (to be taken after ARTR 373 and 60 credit hours of university coursework or 21 credit hours)

Select three courses from the following (9 credits)

ARTC 340 Wheel Throwing (3 credits) ♦
ARTC 341 Ceramic Sculpture (3 credits) ♦
ARTC 342 Raku and Primitive Firing (3 credits) ♦
ARTS 394 Topics in Spatial Arts (3 credits) ♦
ARTC 442 Ceramics Materials and Techniques (3 credits) ♦

TOTAL CREDITS 76

ANIMATION TRACK (70 CREDITS)

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

MUS 100 Music Appreciation - AH (3 credits)
This course fulfills one Foundation of Knowledge Culture and Creativity requirment

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTM 350 Video, Installation & Sound I (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦
ARTS 262 Sculpture I (3 credits) ♦
ART 315 Concept and Narrative Development (3 Credits)
ARTA 210 Animation Studio (3 Credits)
ART 299 Portfolio Review (0 credits) ♦
ARTP 230 Painting I (3 credits) ♦
ARTA 311 Character Animation I (3 Credits)
ARTD 317 Drawing for Animation (3 Credits)
ARTA 394 Topics in Animation (3 Credits)
ARTA 412 Character Animation II (3 Credits)
ARTA 461 Senior Capstone in Animation I (3 Credits)
ARTA 462 Senior Capstone in Animation II (3 Credits)
ART 497 Senior Exhibition (1 credit) ♦
EMB 140 Introduction to Media Aesthetics (3 credits)
DFX 244 Principles of Digital 3D Animation (3 credits) ♦
DFX 245 3D Modeling Fundamentals (3 credits) ♦
DFX 307 3D Lighting and Texturing (3 credits) ♦
DFX 309 3D Hard Surface Modeling (3 credits) ♦
DFX 320 Character Modeling (3 credits) ♦
DFX 330 Rigging and Animation (3 credits) ♦

Choose one course from the following
ARTH 332 History of Animation (3 Credits)
OR
ARTH 454 Art Now (3 credits) ♦

Suggested Electives
TAR 482 Screenwriting (3 credits) ♦
EMB 260 Writing for the Media (3 credits) ♦
Upper Level Studio or Art History Elective

Theatre Design, Technology or Stage Management, B.F.A.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (28 CREDITS)

Core Courses

TAR 104 Introduction to NKU Theatre and Dance (1 credit)
TAR 110 Acting I (3 credits)
TAR 118 Stage Make Up (3 credits)
TAR 160 Introduction to Stagecraft (2 credits)
TAR 160L Stagecraft Laboratory (1 credit)
TAR 204 Life as an Artist 1 credit
TAR 340 Playscript Analysis (3 credits)
TAR 346 Theatre History (3 credits)
TAR 347 Dramatic Literature (3 credits)
TAR 477 Theatre and Dance as a Profession (1 credit) ♦
TAR 495 Senior Project (1 credit) ♦
Select 3 TAR credit hours from groups II or III (3 credits)

Production Credits (3 credits)

TAR 390 Production Credits (1 credit) ♦
TAR 391 Production Credits (1 credit) ♦
TAR 490 Production Credits (1 credit) ♦
TAR 491 Production Credits (1 credit) ♦

DESIGN OR TECHNOLOGY TRACK (42 CREDITS)

TAR 161 Fundamentals of Theatrical Design (3 credits)
TAR 176 Introduction to Stage Management (3 credits) ♦
TAR 362 Drafting For Theatre (3 credits) ♦
TAR 268 Theatrical Rendering (3 credits) ♦
Select 9 TAR/DAN credit hours in area of interest (9 credits)

Fundamentals Series (9 credits)

Select three courses from the following

TAR 260 Lighting Fundamentals (3 credits) ♦

TAR 262 Costume Construction (2 credits) and
TAR 262L Costume Construction Laboratory (1 credit)

TAR 277 Fundamentals of Sound Technology (3 credits) ♦
TAR 361 Design and Construction of Stage Properties (3 credits) ♦

Foundations Series (3 credits)

Select one course from the following

TAR 343 Costume History (3 credits) ♦
TAR 364 Computer Graphics for the Stage (3 credits) ♦
TAR 367 Stagecraft II (3 credits) ♦

Design Series (9 credits)

Select three courses from the following

TAR 360 Scene Design I (3 credits) ♦
TAR 363 Lighting Design (3 credits) ♦
TAR 366 Costume Design I (3 credits) ♦
TAR 377 Sound Design (3 credits) ♦
TAR 428 Advanced Stage Make-Up (3 credits) ♦

TOTAL CREDITS 69

ROCK AND ROLL/CONCERT TECHNOLOGY TRACK (48 CREDITS)

EGT 110 Introduction to Engineering/Technology - NS (3 credits) ♦ (this degree requirement will fulfill a general education requirement: scientific and quantitative inquiry category without lab)
TAR 161 Fundamentals of Theatrical Design (3 credits)
TAR 364 Computer Graphics for the Stage (3 credits) ♦
TAR 464 Special Problems in Theatre Technology (3 credits) ♦ (one must be in rigging) (6 credits)
TAR 412 Internship: Professional Theatre (3-6 credits) ♦
Select 15 credits list of approved TAR electives. (The list of electives can be found in the theatre department student handbook.) (15 credits)

Fundamentals Series (9 credits)

Select three courses from the following

TAR 260 Lighting Fundamentals (3 credits) ♦

TAR 262 Costume Construction (2 credits) and
TAR 262L Costume Construction Laboratory (1 credit)

TAR 277 Fundamentals of Sound Technology (3 credits) ♦
TAR 268 Theatrical Rendering (3 credits) ♦

Foundations Series (3 credits)

Select one course from the following

TAR 361 Design and Construction of Stage Properties (3 credits) ♦
TAR 362 Drafting For Theatre (3 credits) ♦
TAR 367 Stagecraft II (3 credits) ♦

Design Series (3 credits)

Select one course from the following

TAR 360 Scene Design I (3 credits) ♦
TAR 363 Lighting Design (3 credits) ♦
TAR 366 Costume Design I (3 credits) ♦
TAR 377 Sound Design (3 credits) ♦

Note:

1 production credit in common core requirements must be at a concert venue or with the stagehand union.

TOTAL CREDITS 75

STAGE MANAGEMENT TRACK (45 CREDITS)

Four Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

DAN 120 Ballet Dance I (3 credits)
TAR 130 Musical Skills for the Musical Theatre (3 credits)
TAR 161 Fundamentals of Theatrical Design (3 credits)
TAR 176 Introduction to Stage Management (3 credits) ♦
TAR 213 Stage Combat (3 credits) ♦
TAR 225 Musical Theatre Performance I (3 credits)
TAR 370 Directing (3 credits) ♦
TAR 371 Theatre Management (3 credits) ♦
TAR 367 Stagecraft II (3 credits) ♦
TAR 376 Stage Management Practicum (1-3 credits) ♦ Three semesters for 1 credit hour per semester.
Three credit hours in electives in Groups I, IV, V, VI (3 credits)
Recommended electives

Communication Series

Choose two of the following:

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 230 Small Group Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦

Design Series

Choose two of the following:

TAR 260 Lighting Fundamentals (3 credits) ♦
TAR 262 Costume Construction (2 credits)
TAR 262L Costume Construction Laboratory (1 credit)
TAR 362 Drafting For Theatre (3 credits) ♦
TAR 277 Fundamentals of Sound Technology (3 credits) ♦
TAR 268 Theatrical Rendering (3 credits) ♦
TAR 361 Design and Construction of Stage Properties (3 credits) ♦
TAR 428 Advanced Stage Make-Up (3 credits) ♦

TOTAL CREDITS 72

Theatre Performance, B.F.A.

The B.F.A. is a more intensive program of study for the potential professional. Acceptance into the B.F.A. program is earned through a process of application, interview, and audition (performers) or portfolio submission (design and technology, playwriting, and stage management). The B.F.A. requires active involvement in the department for a minimum of four semesters after acceptance into B.F.A. candidacy. Some exceptions to this residency rule may be made for transfer students.

The B.F.A. requires completion of a common core of courses. Performance students must also complete a track - the options are acting, dance, musical theatre, or playwriting. Theatre design or technology students must complete a track - the options are design or technology, or rock and roll/concert technology. Stage management students complete a track in stage management.

A minor or focus is not required in the B.F.A.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (19 CREDITS)

Core Courses

TAR 104 Introduction to NKU Theatre and Dance (1 credit)
TAR 160 Introduction to Stagecraft (2 credits)
TAR 160L Stagecraft Laboratory (1 credit)
TAR 204 Life as an Artist 1 credit
TAR 477 Theatre and Dance as a Profession (1 credit) ♦
TAR 495 Senior Project (1 credit) ♦
Select 3 courses from the following
TAR 390 Production Credits (1 credit) ♦
TAR 391 Production Credits (1 credit) ♦
TAR 490 Production Credits (1 credit) ♦
TAR 491 Production Credits (1 credit) ♦
Choose from one of the following track options
Theatre Tracks
TAR 110 Acting I (3 credits)
TAR 118 Stage Make Up (3 credits)
TAR 346 Theatre History (3 credits)

Dance Tracks

DAN 120 Ballet Dance I (3 credits)
DAN 221 Modern Dance I (3 credits)
DAN 427 Dance History (3 credits) ♦

ACTING TRACK (51 CREDITS)

TAR 114 Voice Development for the Actor I (3 credits)
TAR 115 Movement for the Actor I (3 credits) ♦
TAR 210 Acting II (3 credits) ♦
TAR 214 Voice Development for the Actor II (3 credits) ♦
TAR 215 Movement for the Actor II (3 credits) ♦
TAR 310 Acting III (3 credits) ♦
TAR 311 Auditions (3 credits) ♦
TAR 314 Voice Development for the Actor III (3 credits) ♦
TAR 315 Movement for the Actor III (3 credits) ♦
TAR 316 Acting Seminar I (3 credits) ♦
TAR 340 Playscript Analysis (3 credits)
TAR 347 Dramatic Literature (3 credits)
TAR 416 Acting Seminar II (3 credits) ♦
TAR 417 Acting Shakespeare (3 credits) ♦

Select two courses from the following (6 credits)

TAR 313 Acting for the Camera (3 credits) ♦
TAR 370 Directing (3 credits) ♦
TAR 410 Styles of Acting (3 credits) ♦
TAR 411 Special Problems: Theatre Acting (3 credits) ♦
TAR 415 One Person Show (3 credits) ♦

TOTAL CREDITS 67

MUSICAL THEATRE TRACK (60 CREDITS)

DAN 120 Ballet Dance I (3 credits) May be substituted with DAN 320 Ballet Dance II (3 credits)
TAR 129 Musical Theatre First Year Seminar (2 credits) ♦
TAR 130 Musical Skills for the Musical Theatre (3 credits)
TAR 210 Acting II (3 credits) ♦
DAN 224 Tap I (3 credits) May be substituted with DAN 324 Tap Dance II (3 credits)
TAR 225 Musical Theatre Performance I (3 credits)
DAN 225 Musical Theatre Dance I (3 credits) ♦ May be substituted by DAN 325 Musical Theatre Dance II (3 credits)
TAR 230 Musical Skills for Musical Theatre Actors II (3 credits) ♦
TAR 235 Vocal Techniques for the Singing Actor I (0-1 credit) (three semesters for 1 credit per semester)
TAR 310 Acting III (3 credits) ♦
TAR 325 Musical Theatre Performance II (3 credits) ♦
DAN 325 Musical Theatre Dance II (3 credits) ♦ May be substituted with any DAN course (3 credits)
TAR 329 Musical Theatre Third Year Seminar (3 credits) ♦
TAR 335 Vocal Techniques for the Singing Actor II (1 credit) (three semesters for 1 credit per semester)
TAR 340 Playscript Analysis (3 credits)
TAR 347 Dramatic Literature (3 credits)
TAR 425 Musical Theatre Performance III (3 credits) ♦
TAR 429 Musical Theatre Fourth Year Seminar (3 credits) ♦
Select 3 TAR credit hours from groups II or III
Select 3 additional credit hours of DAN coursework not listed above

TOTAL CREDITS 78

PLAYWRITING TRACK (42 CREDITS)

ENG 308 Shakespeare I (3 credits) ♦
ENG 309 Shakespeare II (3 credits) ♦
Select one 300/400 level ENG literature or writing course, not to include ENG 308, or ENG 309 (3 credits)
TAR 340 Playscript Analysis (3 credits)
TAR 347 Dramatic Literature (3 credits)
TAR 370 Directing (3 credits) ♦
TAR 380 Playwriting (3 credits)
TAR 442 Dramatic Theory and Criticism (3 credits) ♦
TAR 481 Special Problems in Theatre: Playwriting/Criticism (3 credits) ♦
TAR 482 Screenwriting (3 credits) ♦
TAR 498 Individual Studies in Theatre (1-3 credits)
Select 6 TAR/DAN credit hours in groups I, II, III, IV, V, VI, VII (6 credits)
Select 3 TAR credit hours from group II or III

TOTAL CREDITS 64

DANCE PERFORMANCE TRACK (55 CREDITS)

DAN 130 Pilates Mat I (3 credit hours)
DAN 226 Dance Foundations (3 credits) ♦
DAN 323 Physiology of Dance (3 credits)
DAN 375 Dance Composition (3 credits) ♦

Dance Techniques

Dance Technique course placement will be determined by Dance placement exam
Select two courses from the following (6 credits)
DAN 120 Ballet Dance I (3 credits)
DAN 320 Ballet Dance II (3 credits) ♦
DAN 420 Ballet Dance III (3 Credits) ♦
Select two courses from the following (6 credits)
DAN 221 Modern Dance I (3 credits)
DAN 321 Modern Dance II (3 credits) ♦
DAN 421 Modern Dance III (3 Credits) ♦
Select three courses form the following (9 credits)
DAN 222 Jazz Dance I (3 credits) ♦
DAN 322 Jazz Dance II (3 credits) ♦
DAN 422 Jazz Dance III (3 Credits) ♦
Select one course from the following (3 credits)
DAN 224 Tap I (3 credits)
DAN 324 Tap Dance II (3 credits) ♦
DAN 424 Tap Dance III (3 Credits) ♦
Select two courses from the following (6 credits)
DAN 428 Special Problems in Dance (3 credits) ♦
TAR 110 Acting I (3 credits)
TAR 161 Fundamentals of Theatrical Design (3 credits)
TAR 225 Musical Theatre Performance I (3 credits)
Select four credits from the following
DAN 496 Internship: Professional Dance (2-6 credits) ♦

DAN 414 Dance Ensemble (2 Credits) ♦
Select one course form the following (3 credits)
BIO 125 Biological Perspectives of Wellness - NS (3 credits) ♦
TAR 315 Movement for the Actor III (3 credits) ♦
Select 6 TAR/DAN credit hours from group I, IV, V, VI (9 credits)
Total Credits 74

DANCE PEDAGOGY TRACK (46 CREDITS)

DAN 130 Pilates Mat I (3 credit hours)
DAN 226 Dance Foundations (3 credits) ♦
DAN 323 Physiology of Dance (3 credits)
DAN 410 Dance Pedagogy (3 credits) ♦
ENTP 201 Entrepreneurial Mindset (3 credits)
Dance Techniques
Dance Technique course placement will be determined by Dance placement exam
Select one course from the following (3 credits)
DAN 120 Ballet Dance I (3 credits)
DAN 320 Ballet Dance II (3 credits) ♦
DAN 420 Ballet Dance III (3 Credits) ♦
Select one course from the following (3 credits)
DAN 221 Modern Dance I (3 credits)
DAN 321 Modern Dance II (3 credits) ♦
DAN 421 Modern Dance III (3 Credits) ♦
Select one course from the following (3 credits)
DAN 224 Tap I (3 credits)
DAN 324 Tap Dance II (3 credits) ♦
DAN 424 Tap Dance III (3 Credits) ♦
Select one course from the following (3 credits)
DAN 428 Special Problems in Dance (3 credits) ♦
TAR 110 Acting I (3 credits)
TAR 161 Fundamentals of Theatrical Design (3 credits)
TAR 225 Musical Theatre Performance I (3 credits)
Select one course from the following (3 credits)
EDU 300 Human Growth and Development (3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
Select four credits from the following (4 credits)
DAN 496 Internship: Professional Dance (2-6 credits) ♦
DAN 414 Dance Ensemble (2 Credits) ♦
Select one course from the following (3 credits)
BIO 125 Biological Perspectives of Wellness - NS (3 credits) ♦
TAR 315 Movement for the Actor III (3 credits) ♦
Select 6 TAR/DAN credit hours in groups I, II, III, IV, V, VI, VII

Total 46 credits

Visual Communication Design, B.F.A.

Special admission requirements: Successful review in ARTV 283 Visual Communication Admittance Review (0 credits) is required prior to submitting work for ARTV 297 VCD Portfolio Review (0 credits). Successful review in ARTV 297 is required for admission to the B.F.A. in visual communication design.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS

Core Courses (12 credits)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦ *

Note:

* ART 291W Advanced Writing-Writing/Artists - WC (3 credits) fulfills the general education requirements for Written Communication II

VISUAL COMMUNICATION DESIGN TRACK (70 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTV 201 Intro to Computer Graphics for Design (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦
ARTV 215 Visual Communication Design (3 credits) ♦
ARTV 217 Typography I (3 credits) ♦
ARTV 283 Visual Communication Admittance Review (0 credits) ♦
ARTV 297 VCD Portfolio Review (0 credits) ♦ (to be taken after 60 semester hours of university coursework or 21 semester hours in art; must be taken in either fall or spring of intermediate-level year)
ARTV 317 Typography II (3 credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTD 310 Drawing II (3 credits) ♦
ARTV 315 Visual Communication Design II (3 credits) ♦
ARTV 330 Interaction Design for Visual Communication Design I (3 credits) ♦
ARTV 325 Techniques in Visual Communication Design (3 credits) ♦
ARTH 321 History of Visual Communication Design (3 credits) ♦
Select one 3D studio elective (3 credits)
ARTV 417 Typography III (3 credits) ♦
ARTV 425 Information Design (3 credits) ♦
ARTV 430 Interaction Design for Vis Com Des II (3 credits) ♦
Select one 2D studio elective (3 credits)
ARTV 415 Visual Communication Design III (3 credits) ♦
ARTV 427 Motion Design (3 credits) ♦
Select one 300/400-level studio elective (3 credits)

ARTV 496 Visual Communication Design Internship (3 credits) ♦
OR
CEP 300 Cooperative Education (1-3 credits)

ARTV 428 Visual Communication Design Capstone (3 credits) ♦
ART 497 Senior Exhibition (1 credit) ♦

Select one course from the following (3 credits)

ARTP 230 Painting I (3 credits) ♦
ARTR 272 Printmaking I (3 credits) ♦
ARTR 375 Screen Printing (3 credits) ♦

TOTAL CREDITS 82

BACHELOR OF MUSIC

Composition, B.M.

The Bachelor of Music in Composition is for talented students wishing to pursue a career as a composer, an arranger, in related fields, or who wish to continue musical study in composition, music theory, or musicology at the graduate level. Students are admitted into the composition program based on an audition on their primary instrument and a portfolio review of their compositions; this may include arrangements, sound design, and other musical creative work.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (83 CREDITS)

Courses

MUSM 109 Recital Review (0 credits) (must pass at least seven semesters)
MUSM 111 Music Theory I (3 credits) ♦
MUSM 112 Music Theory II (3 credits) ♦
MUSM 122 Aural Skills I (1 credit)
MUSM 124 Aural Skills II (1 credit) ♦
MUSM 132 Class Piano I (1 credit)
MUSM 134 Class Piano II (1 credit) ♦
MUSA 196 Freshman Proficiency Jury (0 credits)
MUSM 211 Music Theory III (3 credits) ♦
MUSM 222 Aural Skills III (1 credit) ♦
MUSA 296 Sophomore Comprehensive Jury (0 credits)
MUSM 312 Computer Applications for Musicians (1 credit) ♦
MUSM 313 Orchestration (3 credits) ♦
MUSM 365 Conducting I (2 credits) ♦
MUSM 380 Music Composition for Commercial Media (3 credits) ♦
Emsebles (6 credits)
Applied Primary Instrument (8 credits)
Applied Secondary Instrument (2 credits)
Traditional Track must choose piano, if piano is not the primary instrument
Commercial Music/Audio Production may choose from voice, piano, guitar, bass, or drum set

MUSM 140 Introduction to Music History (1 credits)
MUSM 242 Survey of Western Music I (2 credits)

Note:

* Piano majors should take 4 credits of Applied Music in a secondary instrument or voice.

TRADITONAL TRACK (40 CREDITS)

MUSM 211 Music Theory III (3 credits) ♦
MUSM 212 Music Theory IV (3 credits) ♦
MUSM 224 Aural Skills IV (1 credit) ♦
MUSM 232 Class Piano III (1 credit) ♦
MUSM 234 Class Piano IV (1 credit) ♦
MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
MUSM 311 Form and Analysis (3 credits) ♦
MUSM 315 Materials and Techniques of Music Composition (2 credits) ♦
MUSM 316 Counterpoint (3 credits) ♦
MUSM 353 Survey of Western Music II (3 credits) ♦

Choose Electives from the following

MUSA 246 Applied Songwriting
MUSM 273 Jazz Improvisation I (2 credits)
MUSM 373 Jazz Arranging I (2 credits) ♦
MUSM 356 Music Technology I
MUSM 394 Special Topics in Music (1-3 credits) ♦

COMMERCIAL MUSIC/AUDIO PRODUCTION TRACK (40 CREDITS)

MUSM 271 Group Jazz Piano I (1 credit) ♦
MUSM 272 Group Jazz Piano II (1 credit) ♦
MUSM 371 Jazz & Commercial Music Theory (3 credits) ♦
MUSM 381 Music Technology I (3 credits) ♦
MUSM 382 Music Technology II (3 credits) ♦
MUSM 383 Mixing Techniques I (3 credits) ♦
MUSM 384 Mixing Techniques II (3 credits) ♦
MUSM 385 Commercial Music Production I
MUSM 386 Commercial Music Production II
MUSM 496 Senior Capstone (0-4 credits) ♦
Applied Compositon or Songwriting
Must take 9 credits total

Electives

Choose from:

One elective must be music history

MUSM 273 Jazz Improvisation I (2 credits)
MUSM 373 Jazz Arranging I (2 credits) ♦
MUSM 316 Counterpoint (3 credits) ♦
MUSM 311 Form and Analysis (3 credits) ♦
MUSM 375 History of Jazz (1-3 credits) ♦
MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
MUSM 353 Survey of Western Music II (3 credits) ♦
MUSM 394 Special Topics in Music (1-3 credits) ♦

Performance, B.M.

The Bachelor of Music in performance is designed for students who wish to pursue professional careers in the performing arts or related fields. Acceptance into this program is selective and is based on an audition on the student's primary instrument. Students in this program must complete the 51-credit-hour core plus one of the tracks or emphases listed below. Students in this

degree program are exempt from the requirement to complete a minor or focus.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (76-87 CREDITS)

Core Courses (51 credits)

MUSM 111 Music Theory I (3 credits) ♦
MUSM 112 Music Theory II (3 credits) ♦
MUSM 211 Music Theory III (3 credits) ♦
MUSM 212 Music Theory IV (3 credits) ♦
MUSM 122 Aural Skills I (1 credit)
MUSM 124 Aural Skills II (1 credit) ♦
MUSM 222 Aural Skills III (1 credit) ♦
MUSM 224 Aural Skills IV (1 credit) ♦
MUSM 132 Class Piano I (1 credit)
MUSM 134 Class Piano II (1 credit) ♦
MUSM 232 Class Piano III (1 credit) ♦
MUSM 234 Class Piano IV (1 credit) ♦
MUSM 296 Piano Proficiency (0 credits)
MUSM 109 Recital Review (0 credits)
MUSA 196 Freshman Proficiency Jury (0 credits)
MUSA 296 Sophomore Comprehensive Jury (0 credits)
MUSM 312 Computer Applications for Musicians (1 credit) ♦
MUSM 311 Form and Analysis (3 credits) ♦
MUSM 365 Conducting I (2 credits) ♦
MUSA 396 Junior Recital (0 credits) ♦
MUSA 496 Senior Recital (0 credits) ♦
MUSA X01-X57 - Applied Music (primary inst. or voice) (16 credits)
MUSM 140 Introduction to Music History (1 credits)
MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
MUSM 242 Survey of Western Music I (2 credits)
Choose 3 credits from the following list (3)
MUSM 331 Keyboard Literature I (2 credits) ♦
MUSM 332 Keyboard Literature II (2 credits) ♦
MUSM 341 Vocal Literature (3 credits) ♦
MUSM 375 History of Jazz (1-3 credits) ♦

INSTRUMENTAL TRACK (29 CREDITS)

MUSM 399 Independent Study: Music (1-3 credits) ♦

Large ensembles (8 credits)
MUSE 305 NKU Philharmonic (0-1 credits) ♦
MUSE 306 University Concert Band (0-1 credits) ♦
MUSE 307 Symphonic Winds (0-1 credits) ♦

Small ensembles (6 credits)
MUSE 308 Jazz Ensemble (0-1 credits) ♦
MUSE 325 Chamber Orchestra (0-1 credits) ♦
MUSE 328 Jazz Combo (0-1 credits) ♦
MUSE 330 Chamber Music Ensembles (0-1 credits) ♦

Electives in Music - MUSM courses only (12 credits)

TOTAL CREDITS 80

JAZZ STUDIES TRACK (36 CREDITS)

Core courses " MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)" and " MUSM 311 Form and Analysis (3 credits)" are not required for this track.

MUSM 271 Group Jazz Piano I (1 credit) ♦
MUSM 272 Group Jazz Piano II (1 credit) ♦
MUSM 273 Jazz Improvisation I (2 credits)
MUSM 274 Jazz Improvisation II (2 credits) ♦

MUSE 329 Vocal Jazz Ensemble (0-1 credits) ♦
OR
MUSE 308 Jazz Ensemble (0-1 credits) ♦

MUSE 328 Jazz Combo (0-1 credits) ♦
MUSM 373 Jazz Arranging I (2 credits) ♦
MUSM 374 Jazz Arranging II (2 credits) ♦
MUSM 371 Jazz & Commercial Music Theory (3 credits) ♦
MUSM 375 History of Jazz (1-3 credits) ♦
MUSM 472 Jazz Pedagogy (2 credits) ♦
MUSM 471 Jazz Styles and Analysis (3 credits) ♦
Electives in Music - MUSM courses only (6 credits)

TOTAL CREDITS 87

PIANO PEDAGOGY TRACK (28 CREDITS)

MUSM 331 Keyboard Literature I (2 credits) ♦
MUSM 332 Keyboard Literature II (2 credits) ♦
MUSM 305 Ensemble Accompanying (2 credits) ♦
MUSM 334 Basic Piano Pedagogy (3 credits) ♦
MUSM 335 Advanced Piano Pedagogy (3 credits) ♦

Small ensembles (6 credits)
MUSE 309 Steel Drum Ensemble (0-1 credits) ♦
MUSE 320 Guitar Ensemble (0-1 credits) ♦
MUSE 321 Chamber Choir (0-1 credits) ♦
MUSE 323 Low Voice Choir (0-1 Credits) ♦
MUSE 324 Opera Workshop (0-2 credits) ♦
MUSE 325 Chamber Orchestra (0-1 credits) ♦
MUSE 328 Jazz Combo (0-1 credits) ♦
MUSE 329 Vocal Jazz Ensemble (0-1 credits) ♦
MUSE 330 Chamber Music Ensembles (0-1 credits) ♦

Large ensembles (2 credits)
MUSE 301 The Northern Chorale (0-1 credits) ♦
MUSE 305 NKU Philharmonic (0-1 credits) ♦
MUSE 306 University Concert Band (0-1 credits) ♦
MUSE 307 Symphonic Winds (0-1 credits) ♦
MUSE 308 Jazz Ensemble (0-1 credits) ♦
MUSE 322 Women's Ensemble (0-1 credits) ♦

Electives in Music - MUSM courses only (5 credits)

TOTAL CREDITS 79

VOICE TRACK (37 CREDITS)

Two years of foreign language selected in consultation with an applied voice teacher (12 credits)

MUSE 301 The Northern Chorale (0-1 credits) ♦
OR
MUSE 321 Chamber Choir (0-1 credits) ♦

MUSE 324 Opera Workshop (0-2 credits) ♦
OR
MUSE 330 Chamber Music Ensembles (0-1 credits) ♦

MUSM 344 Lyric Diction I (1 credit) ♦
MUSM 345 Lyric Diction II (1 credit) ♦
MUSM 341 Vocal Literature (3 credits) ♦
MUSM 441 Vocal Pedagogy (2 credits) ♦
MUSA 120 Applied Piano (1-2 credits) (taken after proficiency)
MUSA 220 Applied Piano (1-2 credits) (taken after proficiency)
Electives in music - MUSM courses only (5 credits)

TOTAL CREDITS 88

BACHELOR OF MUSIC EDUCATION

Music Education, B.M.E.

The Bachelor of Music Education is a comprehensive, professional degree program that prepares students for careers in teaching K-12 music in public and private schools. Students complete the core and may select one of two tracks: Choral/Vocal or Instrumental based on their applied background and their teaching interests. Applicants must be accepted through audition.

Students pursuing a Bachelor of Music Education with teacher certification should review that portion of the university catalog relating to teacher education. Upon approval to pursue the music teacher education program, students must schedule an appointment with the certification specialist in the College of Education and Human Services. Music students should follow the guidelines for certification listed under "Secondary Education."

Candidates for certification must meet the Kentucky Department of Education certification requirements in both general and professional education. Students wishing to be certified in a state other than Kentucky are responsible for knowing and meeting the certification requirements of that state. Each student should work in close consultation with an advisor in order to meet all non-music requirements. All degree emphases in music education are exempt from the requirement to complete a minor or focus.

Four Year Plan:Click here for a 4-year plan showing one way a student can complete the program below in 4 years if the student requires no remedial courses.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (105-123 CREDITS)

Core Courses (60 credits)

MUSM 111 Music Theory I (3 credits) ♦
MUSM 112 Music Theory II (3 credits) ♦
MUSM 211 Music Theory III (3 credits) ♦
MUSM 212 Music Theory IV (3 credits) ♦
MUSM 122 Aural Skills I (1 credit)
MUSM 124 Aural Skills II (1 credit) ♦
MUSM 222 Aural Skills III (1 credit) ♦
MUSM 224 Aural Skills IV (1 credit) ♦
MUSM 132 Class Piano I (1 credit)
MUSM 134 Class Piano II (1 credit) ♦
MUSM 232 Class Piano III (1 credit) ♦
MUSM 234 Class Piano IV (1 credit) ♦
MUSM 296 Piano Proficiency (0 credits)
MUSM 109 Recital Review (0 credits)
MUSA 196 Freshman Proficiency Jury (0 credits)
MUSM 140 Introduction to Music History (1 credits)
MUSM 242 Survey of Western Music I (2 credits)
MUSM 353 Survey of Western Music II (3 credits) ♦
MUSA 296 Sophomore Comprehensive Jury (0 credits)
MUSM 312 Computer Applications for Musicians (1 credit) ♦
MUSM 311 Form and Analysis (3 credits) ♦
Applied Lessons (12 credits) - MUSA X01-X59
MUSM 365 Conducting I (2 credits) ♦
MUSM 366 Conducting II (2 credits) ♦
MUSA 396 Junior Recital (0 credits) ♦
Large ensembles (7 credits)
Small ensembles (1 credit)
Electives in Music - MUSM courses only (3 credits)

Core Courses in Other Disciplines (28 credits)

EDU 300 Human Growth and Development (3 credits) ♦
EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
EDU 311 Admission Field Experience Secondary (2 credits) ♦
EDU 325 Educational Assessment Secondary (2 credits) ♦
EDU 496 Clinical Experience Secondary (12 credits) ♦
EDS 324 Instructional Planning for Inclusive Secondary Classrooms (3 credits) ♦
EDS 360 Students with Exceptionalities in School (3 credits) ♦

CHORAL/VOCAL TRACK (17 CREDITS)

MUSM 104 Orientation to Music Education (1 credit)
MUSM 309 Introduction to Music Education (2 credits) ♦
MUSM 360 General and Vocal Music P-8 (2 credits) ♦
Two methods courses from MUSM 261-264 (2 credits)
MUSM 305 Ensemble Accompanying (2 credits) ♦
MUSM 361 Teaching Choral Music: Middle Grades (2 credits) ♦
MUSM 362 Teaching Choral Music: Secondary (2 credits) ♦
MUSM 344 Lyric Diction I (1 credit) ♦
MUSM 345 Lyric Diction II (1 credit) ♦
MUSM 441 Vocal Pedagogy (2 credits) ♦

Note:

*Pianists in this track should take a minimum of 8 credits of Applied Piano and 6 credits of Applied Voice to fulfill their Applied Lesson requirement.

TOTAL CREDITS 105

INSTRUMENTAL TRACK (17 CREDITS)

MUSM 104 Orientation to Music Education (1 credit)
MUSM 309 Introduction to Music Education (2 credits) ♦
MUSM 360 General and Vocal Music P-8 (2 credits) ♦
MUSM 261 Applied Methods and Materials: Brass (1 credit) ♦
MUSM 262 Applied Methods and Materials: Woodwinds (1 credit) ♦
MUSM 263 Applied Methods and Materials: Strings (1 credit) ♦
MUSM 264 Applied Methods and Materials: Percussion (1 credit) ♦

MUSM 313 Orchestration (3 credits) ♦
OR
MUSM 367 Marching Band Techniques (3 credits) ♦

MUSM 363 Teaching Instrumental Music: Middle Grades (2 credits) ♦
MUSM 364 Teaching Instrumental Music: Secondary (2 credits) ♦
Choral Ensemble - MUSE 301, 321, 322, or 323 (1 credit)

TOTAL CREDITS 105

BACHELOR OF SCIENCE

Applied Software Engineering, B.S.

A major in applied software engineering requires 61 - 64 credit hours of coursework, depending on placement. Students in applied software engineering begin their study with a basic core of informatics and information technology coursework, then move on to a chain of courses designed to build their software development skills and prepare them to implement user centered full stack applications. The program includes a set of electives from a variety of degrees offered by the School of Computing & Analytics. The major culminates in a team-project capstone course (ASE 485).

The ASE degree differs from a degree in Computer Science in its focus on software engineering and the theory and skills needed to be successful in this field. While the CS degree is the study of computation, the ASE degree focuses on applying theory and practice for Software Engineering.

The ASE classes are offered during daytime and in the evening, and in multiple formats (face-to-face, online, and hybrid). This allows students to customize your schedule in a format that works for them and their life.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

REQUIRED COURSEWORK (61-64 HOURS)

Required courses in ASE (21 hours)

ASE 220 Full-Stack Application Development (3 credit hours)
ASE 230 Server-Side Programming (3 credits) ♦
ASE 285 Software Engineering & Sec. Fundamentals (3 credit hours)
ASE 330 Human-Computer Interaction (3 credits)
ASE 420 Software Design (3 credits)
ASE 456 Cross-Platform Development (3 credits) ♦
ASE 485 Applied Software Engineering Capstone (3 credit hours)

Other required courses in the Department of Computer Science (20 hours)

CIT 171 Introduction to Linux (1 Credit)
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 260L Object-Oriented Programming Laboratory (1 credit)
CSC 350 Database Programming (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
INF 120 Elementary Programming - NS (3 credits) ♦
INF 284 Introduction to Computer Networks (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦

Other required courses in the College of Informatics (2 hours)

INF 100 Orientation to College of Informatics (1 credit)
INF 201 Foundations of Informatics Professionals (1 credit)

Required courses outside from other colleges (15 hours)

ENG 347 Technical Writing (3 credits) ♦
LDR 205 Human Relations in Organizations (3 credits)
MAT 185 Introductory Discrete Mathematics - QR (3 credits) ♦
PHI 310 Information Ethics (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦

ELECTIVE (3 HOURS)

Any advanced 3-hour course (3xx/4xx) not listed above with an ASE, CIT, CSC, CYS or DSC designator.

EXPERIENTIAL LEARNING (0-3 HOURS)

Take one of the following classes. If the course taken is for 3 credit hours and is one of the ASE courses, it can count for the elective requirement listed above.

ASE 305 Peer Teaching Assistant Training (3 credit hours)
ASE x92 Applied Software Engineering Research
ASE x96 Applied Software Engineering Practicum
CEP 300 Cooperative Education (1-3 credits)

Art and Design, B.S.

DEGREE REQUIREMENTS (82-88 CREDITS)

Core Courses (12 credits)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ART 140 Building Meaning in Visual Art (3 Credits) ♦
ART 291W Advanced Writing-Writing/Artists - WC (3 credits) ♦

PHOTOGRAPHY TRACK (52 CREDITS)

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 358 History of Photography (3 credits)
ARTH 454 Art Now (3 credits) ♦
ARTD 210 Drawing I (3 credits) ♦

ARTP 230 Painting I (3 credits) ♦ OR
ARTR 272 Printmaking I (3 credits) ♦

ARTS 262 Sculpture I (3 credits) ♦ OR
ARTC 240 Ceramics I (3 credits) ♦

ARTM 350 Video, Installation & Sound I (3 credits) ♦
ART 317 Web and Social Media for Artists (3 credits) ♦

Required Courses for Area:
ARTO 210 Photography I (3 credits) ♦
ARTO 310 Photography II: Digital Techniques (3 credits) ♦
ARTO 312 Introduction to Studio and Location (3 credits) ♦
ARTO 415 Documentary Photography (3 credits) ♦
ARTO 414 Advanced Studio Photography (3 credits) ♦
ARTO 413 Advanced Location Photography (3 credits) ♦
ARTO 410 Advanced Concepts in Photography (3 credits) ♦
ARTO 416 Photography Capstone (1 Credits) ♦

Select One Photography or New Media Elective:
ARTO 411 Summer Workshop in Photography (3 credits) ♦
ART 300 Art of the Book (3 credits) ♦
ARTM 360 Robotic Art (3 credits) ♦
ARTM 394 Topics in New Media Art (3 credits) ♦
ARTM 450 Video Installation and Sound II (3 credits) ♦

REQUIRED EMBEDDED MINOR - CHOOSE ONE (18-24 CREDITS)

Embedded Minor in Entrepreneurial Studies (18 credits)

ENTP 201 Entrepreneurial Mindset (3 credits)
ENTP 202 Opportunity Recognition (3 credits)

Select two 300/400-level ENTP courses:
ENTP 320 Social Entrepreneurship (3 credits) ♦
ENTP 375 Entrepreneurial Skills & Marketing (3 credits) ♦
ENTP 378 Emerging Enterprise Law (3 credits) ♦
ENTP 394 Topics: Entrepreneurship (3 credits) ♦
ENTP 499 Independent Study (3 credits) ♦

Total Credits 82

Embedded Minor in Journalism (21 credits)

JOU 110 Introduction to Mass Communication - SB (3 credits)
JOU 220 News Writing (3 credits) ♦
JOU 230 News Reporting and Writing (3 credits) ♦
JOU 321 Digital Publishing (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦
Select any JOU 300/400-level course not listed above

Total Credits 85

Embedded Minor in 3D Digital Design and Effects (24 credits)

INF 120 Elementary Programming - NS (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦
DFX 221 Visual Fundamentals for Digital Media (3 credits) ♦
DFX 240 Introduction to Interactive Media (3 credits) ♦
DFX 245 3D Modeling Fundamentals (3 credits) ♦
DFX 352 Project Research Management (3 credits) ♦

Select two 300/400-level DFX courses:
DFX 381 Computer-Mediated Communication (3 credits)
DFX 394 Topics: 3D Digital Design & VFX (3 credits) ♦
DFX 440 Advanced Interactive Media (3 credits) ♦
DFX 452 Advanced Portfolio Production (3 credits) ♦
DFX 495 Study Abroad (1-3 credits) ♦

Total Credits 88

Biological Sciences, B.S.

Special graduation requirements: Prior to graduation, all students majoring in biology are required to pass a comprehensive exam. This examination is designed to verify that the graduating student has at least a basic knowledge of the broad area of the biological sciences. Students will complete this requirement by registering for "BIO 491 Comprehensive Examination (0 credits)" during the senior year. Those who fail the exam will not be allowed to graduate until the exam is passed.

BIOLOGICAL SCIENCES MAJOR

Students pursuing a degree in the biological sciences may do so by choosing one of seven different tracks. These tracks allow the individual student to place an emphasis on areas of biology that they find of interest. However, the faculty of the department feel very strongly that each student completing a degree in biology must have a solid foundation in the discipline. Therefore, there is a core of courses required of all majors. A grade of *C-* or better must be earned in all biology courses that count toward completion of major requirements. The department has also identified a common core of support courses that must be completed with a *C-* or better

by all biological science majors. Details concerning the biology core, support core, and each of the tracks follow.

♦ Indicates prerequisite.

Students wishing to be certified to teach biology at the secondary level should complete the B.A. General Biology Track in conjunction with a B.A. Secondary Education. Students should review the section of the catalog describing the B.A. Secondary Education track within the Department of Teacher Education.

Degree Requirements (41-47 credits)

Core Courses (22 credits)

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 155 Orientation to Biology (1 credit) ♦
BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
BIO 304 General Ecology (3 credits) ♦
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)
BIO 458 Evolution of Organisms (3 credits) ♦
BIO 491 Comprehensive Examination (0 credits) ♦

Core Courses in Other Disciplines (19-25 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Foreign language requirement (0-6 credits)

All biological science majors are required to complete the 102 level or higher of a foreign language. Students may satisfy this requirement by completing the appropriate two-course sequence in a foreign language, or via CLEP or AP exam equivalency.

GENERAL BIOLOGY TRACK (24-29 CREDITS)

BIO 304L Ecology Laboratory (1 credit) ♦
Select one course from the cellular/molecular/genetics group (3-4 credits)
Select one course from the ecology/evolution/organismal group (3-4 credits)
Complete at least 7 additional credit hours from the CMG, EEO, or general elective groups. Students may take electives from across these different groups.
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦

CHE 311 Organic Chemistry II (3 credits) ♦ and
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

TOTAL CREDITS 65-76

CELLULAR/MOLECULAR/GENETICS TRACK (30-34 CREDITS)

BIO 302 General Microbiology (4 credits) ♦
BIO 302L General Microbiology Laboratory (0 credits)

BIO 400 Advanced Molecular Biology (4 credits) ♦ and
BIO 400L Advanced Molecular Biology Laboratory (0 credits)
OR
BIO 436 Advanced Biology of the Cell (3 credits) ♦

Select two courses from the cellular/molecular/genetics group (6-8 credits)
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 482 Biochemistry I (3 credits) ♦
CHE 483 Biochemistry II (3 credits) ♦

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

TOTAL CREDITS 71-79

ECOLOGY/EVOLUTION/ORGANISMAL TRACK (26-32 CREDITS)

BIO 342 Biometry (3 credits) ♦
BIO 304L Ecology Laboratory (1 credit) ♦
Select four courses from the ecology, evolution, and organismal groups (12-16 credits)
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦

CHE 311 Organic Chemistry II (3 credits) ♦ and
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦

OR
GEO 418 Geographic Information Systems (4 credits) ♦

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

TOTAL CREDITS 67-81

FORENSIC SCIENCE TRACK (44-45 CREDITS)

This track is designed to provide students who wish to pursue a career in forensic science with a solid background in the sciences while giving them the basic knowledge that they will need in order to succeed in the criminal justice system. It is strongly recommended that majors in the track complete the minor in criminalistics offered by the Department of Political Science, Criminal Justice, and Organizational Leadership. By doing so, they will be much better prepared to work with law enforcement professionals. This track is designed to ensure that graduates who later decide to pursue some other area of work in the biological sciences or go to graduate school can do so with little if any additional coursework.

BIO 342 Biometry (3 credits) ♦
BIO 302 General Microbiology (4 credits) ♦
BIO 302L General Microbiology Laboratory (0 credits)
BIO 320 Entomology (4 credits) ♦
BIO 320L Entomology Laboratory (0 credits)
BIO 400 Advanced Molecular Biology (4 credits) ♦
BIO 400L Advanced Molecular Biology Laboratory (0 credits)

BIO 455 Scanning Electron Microscopy (3 credits) ♦
OR
CHE 350 Instrumental Analysis (3 credits) ♦ and
CHE 350L Instrumental Analysis Laboratory (2 credits) ♦

CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 340 Analytical Chemistry (3 credits) ♦
CHE 340L Analytical Chemistry Laboratory (2 credits) ♦
CHE 482 Biochemistry I (3 credits) ♦
CHE 482L Biochemistry I Laboratory (1 credit) ♦
JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 204 Criminal Investigation (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦

TOTAL CREDITS 85-92

PHARMACEUTICAL SCIENCES TRACK (49-59 CREDITS)

Pharmacy schools do not require students to complete a bachelors degree prior to admission. The pharmaceutical sciences track is designed to enable students interested in applying to pharmacy school early (generally after their third year) to complete a bachelors degree by transferring coursework from pharmacy school back to satisfy the remaining requirements for graduation (see below for more details). Due to the fact that pharmacy schools have a varied list of prerequisites and due to the complexity of the pharmaceutical sciences track, students need to work closely with their NKU academic advisor to ensure success. Should a student decide not to attend pharmacy school after their third year, they can complete the requirements for the cellular/molecular/genetics track during their fourth year.

BIO 302 General Microbiology (4 credits) ♦
BIO 302L General Microbiology Laboratory (0 credits)
BIO 425 Advanced Human Anatomy and Physiology I (4 credits) ♦
BIO 425L Adv. Human Anatomy and Physiology I Lab (0 credits)
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 482 Biochemistry I (3 credits) ♦

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

Pharmacy School Coursework (27-36 credits)

In order to complete the requirements for graduation, you will need to complete 30-39 credits of approved coursework in a pharmacy school which has a pathway agreement with NKU. Due to curriculum differences between pharmacy school and the fact that schools can change their curriculum, you will need to work closely with your advisor to determine what courses you need to complete as outlined in the pathway designed with your pharmacy school. These credits include: 3 credits for Foundations of Knowledge through the completion of a medical ethics course and 27-36 credits to fulfill the track requirements and meet the university graduate requirement of 120 credit hours.

TOTAL CREDITS 99

Business Information Systems, B.S.

(Note: these admission requirements are NOT listed in the program description; it is in the department page (MBI requirements are in the program page and not in the department page)

Thinking about the discipline:

The Bachelor of Science in Business Information Systems focuses on the broad information systems aspect of business theory and practice. Students will develop skills in:

The analysis and design of information systems, business processes, and databases;
Data analysis, data visualization, and data mining to solve business problems;
The management of IT projects and enterprise information systems; and
Strategic decision making around information systems.

In the midst of a digital revolution, the world of business and healthcare is relying more and more on advanced technologies for information systems management, data analytics, and project management. A Bachelor's of Science degree in Business Information Systems will prepare students to enter the marketplace and start their careers in businesses, government institutions, educational organizations, healthcare facilities, and other knowledge-based organizations.

Business Information Systems careers (for example, business and healthcare analysts) are projected to be some of the fastest-growing careers through 2025.

Special opportunities for our students: Internships and co-ops may be used as electives in Business Informatics programs. Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding BIS student of the year.

Special admission requirements:

The Business Information Systems degree is AACSB-accredited and therefore prospective majors must meet selective admission requirements co-established with the Haile/U.S. Bank College of Business. Students enter the program as a Pre-BIS major. Students are officially admitted to the program as a BIS major after meeting the following requirements:

Completion of the six courses in the selective admission group ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of C- or better in each, and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

You should also know: All students successfully completing the Bachelor of Science in Business Information Systems automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

DEGREE REQUIREMENTS (77 CREDITS)

Courses in Business (50 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit) *
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦ *
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦ *
INF 201 Foundations of Informatics Professionals (1 credit)
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦ *
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Note:

*These courses complete the required minor in Business.

Core Courses in Business Information Systems (12 credits)

INF 110 Introduction to Application Development (3 credits)
OR
INF 120 Elementary Programming - NS (3 credits) ♦

INF 282 Introduction to Databases (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦
BIS 485 Strategic Information Systems Management (3 credits)
(capstone)

BIS Electives - select one of the tracks below or select five department-approved courses (15 credits)

Total Credits 77

Information Systems Management Track (15 credits)

BIS 305 Advanced Business Programming (3 credits) ♦
BIS 310 Systems Analysis and Design (3 credits) ♦
BIS 435 Database Management Systems (3 credits) ♦
AND Select two 300 or 400 level courses from College of Informatics with at least one of them being in BIS or HIN

Total Credits 77

Business Analytics Track (15 credits)

BIS 320 Descriptive Analytics & Visualization (3 credits)
BIS 360 Predictive Analytics (3 credits)

BIS 460 Prescriptive Analytics (3 credits)
AND Select two 300 or 400 level courses from College of Informatics with at least one of them being in BIS or HIN

Total Credits 77

Information Security Management Track (15 credits)

INF 284 Introduction to Computer Networks (3 credits) ♦
BIS 370 Information Systems Auditing (3 credits)
BIS 382 Information Security Management (3 credits) ♦
OR
HIN 382 Healthcare Information Security and Privacy (3 credits) ♦
AND Select two 300 or 400 level courses from College of Informatics with at least one of them being in BIS or HIN

Total Credits 77

Chemistry, B.S.

Students who aspire to careers as professional chemists should seek to obtain the Bachelor of Science. Students must complete the core courses listed below plus one of the four tracks:

General Chemistry Track (ACS Certified)
Biochemistry Track
Forensics Track
Pharmaceutical Sciences Track

Students majoring in chemistry are urged to participate in independent research (CHE 292 or CHE 492) and are also encouraged to take at least one year of a foreign language and additional mathematics coursework beyond the required Calculus II. A student completing the Bachelor of Science in chemistry is not required to complete a minor or a focus.

The general chemistry track is approved by the American Chemical Society, as it meets certain requirements prescribed by that organization. Students may also receive ACS approval in the Bachelor of Science Biochemistry and Forensics tracks by selecting appropriate course options as indicated below.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS

Core Courses (48 credits)

CHE 125 Introduction to Chemistry & Biochemistry (1 credit) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 340 Analytical Chemistry (3 credits) ♦
CHE 340L Analytical Chemistry Laboratory (2 credits) ♦
CHE 360 Physical Chemistry I (3 credits) ♦
CHE 391W Chemical Information and Writing - WC (3 credits) ♦
CHE 482 Biochemistry I (3 credits) ♦

MAT 129 Calculus I - QR (4 credits) ♦ and
MAT 229 Calculus II (5 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦ and
MAT 227 Calculus B (3 credits) ♦ and
MAT 228 Calculus C (3 credits) ♦

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦

GENERAL CHEMISTRY TRACK (APPROVED BY ACS) (23 CREDITS)

The general chemistry track (Approved by ACS) is designed to offer students a rigorous background in chemistry that will prepare them for careers in industrial chemistry and for graduate work in chemistry. With the addition of one year of biology (BIO 150/BIO 150L and BIO 151/BIO 151L), this track is also well suited for those students who wish to further education in professional school (medical, dental, veterinary, pharmacy, etc.).

CHE 300 Careers in Chemistry (1 credit) ♦
CHE 320 Inorganic Chemistry (3 credits) ♦
CHE 320L Inorganic Chemistry Laboratory (2 credits) ♦
CHE 350 Instrumental Analysis (3 credits) ♦
CHE 350L Instrumental Analysis Laboratory (2 credits) ♦
CHE 361 Physical Chemistry II (3 credits) ♦
CHE 362L Physical Chemistry Laboratory (2 credits) ♦
CHE 400 Chemistry Seminar (1 credit) ♦

Advanced content coursework (3 credits)

Select at least 3 credit hours from the following

CHE 410 Spectrometric Identification of Compounds (3 credits) ♦
CHE 440 Environmental Chemistry (3 credits) ♦
CHE 450 Advanced Chemical Analysis (3 credits) ♦

CHE 460 Molecular Spectroscopy (2 credits) ♦ and
CHE 460L Molecular Spectroscopy Laboratory (2 credits)

CHE 483 Biochemistry II (3 credits) ♦
CHE 511 Natural and Medicinal Product Synthesis (3 credits) ♦
CHE 512 Physical Organic Chemistry (3 credits) ♦
CHE 560 Quantum Mechanics (3 credits) ♦

Advanced research methods coursework (3 credits)

Select at least 3 credit hours from the following

CHE 392 Advanced Laboratory Projects (1-3 credits) ♦
CHE 482L Biochemistry I Laboratory (1 credit) ♦
CHE 483L Biochemistry II Laboratory (1 credit) ♦
CHE 492 Research: Chemistry (1-3 credits) ♦
CHE 505 The History of Chemistry (2-3 credits) ♦

TOTAL CREDITS 71

BIOCHEMISTRY TRACK (31-33 CREDITS)

The biochemistry track is designed for students who are interested in both chemistry and biology. In particular, it is designed for those students who are interested in the chemistry of living organisms. It is well suited for those who wish to pursue careers in biochemistry-related fields or for those students who wish to further their education in graduate school or professional school (medical, dental, veterinary, pharmacy, etc.).

CHE 300 Careers in Chemistry (1 credit) ♦
CHE 361 Physical Chemistry II (3 credits) ♦
CHE 362L Physical Chemistry Laboratory (2 credits) ♦
CHE 400 Chemistry Seminar (1 credit) ♦
CHE 482L Biochemistry I Laboratory (1 credit) ♦
CHE 483 Biochemistry II (3 credits) ♦
CHE 483L Biochemistry II Laboratory (1 credit) ♦
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)

Select at least two courses from the following (7-9 credits)

BIO 302 General Microbiology (4 credits) ♦ and
BIO 302L General Microbiology Laboratory (0 credits)

BIO 400 Advanced Molecular Biology (4 credits) ♦ and
BIO 400L Advanced Molecular Biology Laboratory (0 credits)

BIO 436 Advanced Biology of the Cell (3 credits) ♦

CHE 320 Inorganic Chemistry (3 credits) ♦ and
CHE 320L Inorganic Chemistry Laboratory (2 credits) ♦

CHE 350 Instrumental Analysis (3 credits) ♦ and
CHE 350L Instrumental Analysis Laboratory (2 credits) ♦

Note:

*To receive ACS approval, CHE 320-CHE 320L must be taken as one course in this distribution area.

TOTAL CREDITS 79-81

FORENSICS TRACK (36-38 CREDITS)

The forensics track is designed for students who wish to pursue a career in forensic science with a solid background in chemistry while gaining the basic knowledge needed to succeed in the criminal justice system. While a minor or focus is not required with this track, it is strongly recommended that majors in this track complete the minor in criminalistics offered by the Department of Political Science, Criminal Justice, and Organizational Leadership. By doing so, students will be much better prepared to work with law enforcement professionals. Due to the complexity of this program, it is critical that students work closely with their advisor throughout their NKU academic career.

NOTE: To receive ACS approval, CHE 320/CHE 320L must also be taken in addition to the coursework specified in this track.

CHE 300 Careers in Chemistry (1 credit) ♦
CHE 361 Physical Chemistry II (3 credits) ♦
CHE 362L Physical Chemistry Laboratory (2 credits) ♦
CHE 400 Chemistry Seminar (1 credit) ♦
CHE 482L Biochemistry I Laboratory (1 credit) ♦
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)
BIO 400 Advanced Molecular Biology (4 credits) ♦
BIO 400L Advanced Molecular Biology Laboratory (0 credits)
STA 205 Statistical Methods - QR (3 credits) ♦
JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 204 Criminal Investigation (3 credits) ♦

Select at least one course from the following (3-5 credits)

BIO 455 Scanning Electron Microscopy (3 credits) ♦

CHE 350 Instrumental Analysis (3 credits) ♦ and
CHE 350L Instrumental Analysis Laboratory (2 credits) ♦

TOTAL CREDITS 84-86

PHARMACEUTICAL SCIENCES TRACK (50-52 CREDITS)

The pharmaceutical sciences track is designed for students who wish to attend pharmacy school following completion of their third year at NKU. Coursework at your pharmacy school will transfer back to satisfy remaining requirements for graduation (see below for more details). Should you not decide to attend pharmacy school, you can complete the requirements for the biochemistry track during your fourth year. Due to the complexity of this program, it is critical that students work closely with their advisor throughout their NKU academic career.

CHE 482 Biochemistry I (3 credits) ♦
BIO 150 Introduction to Biology I - NS (4 credits) ♦

BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
BIO 302 General Microbiology (4 credits) ♦
BIO 302L General Microbiology Laboratory (0 credits)
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦

Pharmacy School Coursework (27-29 credits)

Complete 27-29 credits of approved coursework as described in the approved pathway agreement with a pharmacy school (pathways include Sullivan University and the University of Cincinnati (pending)).

Of these listed credits, 14 are used to fulfill the remaining requirements for this degree track, while the others are used to fulfill remaining general education (each pathway includes a substitute course for PHI 110) and university requirements.

Because pathways can change as a result of curriculum modifications at our partner institutions, it is crucial to work with your advisor to obtain the most up-to-date requirements associated with these agreements.

TOTAL CREDITS 98-100

Computer Information Technology, B.S.

A major in computer information technology requires between 50 and 56 credit hours of coursework, depending on whether a student places out of selected courses.

Students in computer information technology study a core of courses that include basic informatics topics and fundamentals of computer and network administration. Students are required to select a track. There are four tracks available: network and system administration, web and database administration, cybersecurity, and non-specialist. The CIT classes are offered during daytime and in the evening, and in multiple formats (face-to-face, online, and hybrid). In addition to the traditional 16-week courses offered face-to-face during the daytime and in the evening, online, and hybrid, NKU offers several accelerated 7-week evening, online, and hybrid courses. This allows you to customize your schedule in a format that works for you and your life.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (32-38 CREDITS)

Core Courses in Informatics (10-13 credits)

INF 100 Orientation to College of Informatics (1 credit)
INF 120 Elementary Programming - NS (3 credits) ♦ (or placement)

INF 282 Introduction to Databases (3 credits) ♦
OR
CSC 350 Database Programming (3 credits) ♦

INF 284 Introduction to Computer Networks (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦

Core Courses in Computer Information Technology (16 credits)

CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
CIT 271 Windows Administration (3 credits) ♦
CYS 285 Cybersecurity Fundamentals (3 credits)
CIT 371 Unix Systems (3 credits) ♦
CIT 383 Scripting I (3 credits) ♦

Core Courses in Other Disciplines (9 credits)

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
OR
STA 250 Probability and Statistics I (3 credits) ♦

PHI 310 Information Ethics (3 credits)
ENG 347 Technical Writing (3 credits) ♦

NETWORK AND SYSTEM ADMINISTRATION TRACK (18 CREDITS)

CIT 247 Networking Fundamentals (3 credits) ♦
CIT 438 Cloud Computing (3 Credits) ♦
CIT 447 Network Design/Troubleshooting (3 credits) ♦
CIT 470 Advanced Network and System Administration (3 credits) ♦
CYS 484 Network Security (3 credits) ♦
Select one 300/400-level CIT courses not included above (3 credits)

TOTAL CREDITS 50-56

CLOUD AND SYSTEM ADMINISTRATION TRACK (18 CREDITS)

CIT 436 Web Server Administration (3 credits) ♦
CIT 438 Cloud Computing (3 Credits) ♦
CIT 470 Advanced Network and System Administration (3 credits) ♦
CIT 472 Database Administration (3 credits) ♦
Select six hours of CIT 300/400 level courses not listed above; CYS 439 can count as three of these hours.

TOTAL CREDITS 50-56

CYBERSECURITY TRACK (18 CREDITS)

CYS 330 Introduction to Ethical Hacking (3 credits)
CYS 385 Cybersecurity Analysis I (3 credits)
CYS 484 Network Security (3 credits) ♦
CYS 485 Cybersecurity Analysis II (3 credits) ♦
Select two 300- or 400-level CIT or CYS courses not including the above (6 credits)
NOTE: BIS 382, CSC 482 and CSC 483 may count toward these electives.

TOTAL CREDITS 50-56

X92/X99 RESTRICTION

No more than 6 hours of CIT 392/399/492/499 can count toward the major.

Computer Science, B.S.

A major in computer science requires between 61 and 64 credit hours of coursework, depending on placement. Students in computer science begin their study with a basic core of informatics coursework, then move on to a chain of courses designed to provide a solid foundation in computational thinking and to build their software development skills. The program is rounded out by a set of electives sampled from a variety of application areas (such as artificial intelligence, database systems, concepts of programming languages, and computer security). The major culminates in a team-project capstone course in software engineering. Because of the large number of mathematics courses required for the computer science major, many computer science majors choose a minor in mathematics.

The CS classes are offered during daytime and in the evening, and in multiple formats (face-to-face, online, and hybrid). This allows you to customize your schedule in a format that works for you and your life.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (61-64 CREDITS)

Courses in Informatics (7-10 credits)

INF 100 Orientation to College of Informatics (1 credit)
INF 120 Elementary Programming - NS (3 credits) ♦ (placement exam available)

INF 284 Introduction to Computer Networks (3 credits) ♦
OR
CIT 247 Networking Fundamentals (3 credits) ♦

INF 286 Introduction to Web Development (3 credits) ♦

Courses in Computer Science (39 credits)

CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 350 Database Programming (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 362 Computer Systems (3 credits) ♦
CSC 364 Data Structures and Algorithms (3 credits) ♦
CSC 402 Advanced Programming Methods (3 credits) ♦
CSC 439 Software Testing and Maintenance (3 credits) ♦
CSC 440 Software Engineering (3 credits) ♦
CSC 460 Operating Systems (3 credits) ♦
CSC 485 Theory of Computation (3 credits) ♦
CSC 491 Comprehensive Examination (0 credits) ♦
Select one 300/400-level CSC course not included above. CIT 381 may count toward this elective. (3 credits)
Select two CSC 400-level CSC courses not included above. MAT 360 may count for either a 300-level or 400-level course. (6 credits)
NOTE: no more than 6 hours of CSC 392/399/492/499 can count toward the major.

Courses in Mathematics and Statistics (15 credits)

MAT 128 Calculus A - QR (3 credits) ♦
MAT 227 Calculus B (3 credits) ♦
MAT 228 Calculus C (3 credits) ♦
STA 250 Probability and Statistics I (3 credits) ♦
MAT 385 Discrete Mathematics (3 credits) ♦

Construction Management, B.S.

Thinking about the discipline: NKU's construction management program is nationally recognized and accredited by the American Council for Construction Education. Our graduates are equipped with both the theoretical and applied skills required to manage a construction project from inception to completion. The program covers the technical aspects of project design and execution in addition to management and administration aspects required to successfully deliver project completion on time, within budget, and meeting the client's expectations.

The balanced curriculum of 120 credit hours includes two 300-hour internships, allowing students to learn on the job and apply what they learn in class to a real-world project. Students in the program can work toward earning a minor in business, marketing, or entrepreneurship to complement their construction education. Graduates occupy positions such as project engineers, project managers, project superintendents, construction estimators, construction schedulers, and construction safety officers.

Special opportunities for our students: The Construction Management program offers awards for outstanding undergraduates. Multiple scholarships are offered, including the Macy's Rudolph V. Javosky Memorial Endowed Scholarship, the Spirit of Construction Foundation Scholarship, and the Construction Management Industry Advisory Board Scholarship. Students have the opportunity to participate in the Construction

Management Association student organization as well as the sub-organizations within that umbrella group including the Mechanical Contractors of America, the National Association of Homebuilders, the American Concrete Institute student organizations, and the Sigma Lambda Chi International Construction Honor Society.

You should also know: Students must fulfill all requirements for the major and either the standard business component or the minor in entrepreneurial studies offered by the Department of Management.

To earn the Bachelor of Science in Construction Management, students must earn a grade of C or better in all construction management core courses.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (92 CREDITS)

Core Courses (63 credits)

CMGT 101 Introduction to Construction Management (3 credits)
CMGT 120 Construction Materials and Methods I (3 credits) ♦
CMGT 121 Construction Materials and Methods II (3 credits) ♦
CMGT 220 Construction Layout (3 credits) ♦
CMGT 222 Architectural Drafting and CAD (3 credits) ♦
CMGT 225 Construction Safety (3 credits) ♦
CMGT 228 Soil and Foundation Interaction (3 credits) ♦
CMGT 300 Cooperative Education (0 credits) ♦ (two 0 credit-hour sessions)
CMGT 303 Contracts and Specifications (3 credits) ♦
CMGT 305 Mechanical Systems for Construction (3 credits) ♦
CMGT 306 Electrical Systems for Construction (3 credits) ♦
CMGT 320 Construction Estimating (3 credits) ♦
CMGT 322 Structural Analysis (3 credits) ♦
CMGT 324 Construction Scheduling (3 credits) ♦
CMGT 329 Construction Equipment (3 credits) ♦
CMGT 415 Construction Management (3 credits) ♦
CMGT 420 Construction Cost Control (3 credits) ♦
CMGT 422 Advanced Project Controls (3 credits) ♦
CMGT 431 Capstone Project (3 credits) ♦

Select three courses from the following (9 credits)

CMGT 323 Land Planning and Development (3 credits) ♦
CMGT 399 Independent Study in Construction Management (1-3 credits) ♦ (with approval of chair)
CMGT 400 Building Codes (3 credits) ♦
CMGT 426 Heavy Construction Techniques and Analysis (3 credits) ♦
CMGT 427 Construction Law and Legal Contracts (3 credits) ♦
CMGT 430 Design Build (3 credits) ♦
CMGT 494 Seminar: Construction Management (3 credits) ♦

Core Courses in Other Disciplines (11 credits)

MAT 119 Pre-Calculus Mathematics (3 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ *

Select one course from the following* (3 credits)

MAT 128 Calculus A - QR (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
STA 205R Statistical Methods with Recitation - QR (3 credits)

Business Component or Entrepreneurship Minor (18 credits)

Note:

*Required course; counts toward Foundation of Knowledge credit.

STANDARD BUSINESS COMPONENT (18 CREDITS)

BUS 230 Legal Environment (3 credits) ♦

ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
OR
ECO 101 Principles of Microeconomics - SB (3 credits) ♦

MGT 205 Business Management Principles (3 credits) ♦
ACC 150 Accounting for Non-Business Majors (3 Credits)

Select two courses from the following (6 credits)

ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ (if not taken above)
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
HRM 300 Introduction to Labor-Management Relations (3 credits) ♦
LDR 205 Human Relations in Organizations (3 credits)
LDR 308 Leadership Development (3 credits) ♦
LDR 385 Teamwork in Organizations (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
Other as approved by the department chair

SURVEYING TRACK

This program is a partnership degree program between Cincinnati State Technical and Community College and NKU. Students pursuing this track must complete the associate degree in civil engineering technology - surveying from CSTCC and the advanced surveying certificate program from CSTCC. Students then transfer to NKU and complete additional coursework according to the articulation agreement between NKU and CSTCC. Graduates from this bachelor's degree program will qualify to sit for the Professional Registration Test in Kentucky, Ohio, and Indiana after serving the proper residency under a licensed surveyor. Students interested in pursuing the Indiana surveyor's license are required to take approximately three additional science courses as outlined by the state of Indiana.

Cybersecurity, B.S.

A major in cybersecurity requires 78- 81 credit hours (depending on placement) of coursework based on a strong core of computer

information technology, computer science and business information systems courses supplemented with courses covering cross-cutting topics like ethics, communication and risk management. The primary objective of the program is to educate future cybersecurity professionals who understand the processes and technologies needed to secure the information infrastructure of a modern organization.

The classes in this program are offered during daytime and in the evening, and in multiple formats (face-to-face, online, and hybrid). This allows you to customize your schedule in a format that works for you and your life.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school. Students are required to enroll in and pass one experiential learning experience as part of their degree requirement.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

BS CYBERSECURITY (81 CREDITS)

Core Hours in CYS (18 credits)

CYS 285 Cybersecurity Fundamentals (3 credits)
CYS 310 Cybersecurity Risk Management (3 credits)
CYS 330 Introduction to Ethical Hacking (3 credits)
CYS 385 Cybersecurity Analysis I (3 credits)
CYS 444 Software Security (3 credits)
CYS 485 Cybersecurity Analysis II (3 credits) ♦

Core Hours in CIT (7 credits)

CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
CIT 371 Unix Systems (3 credits) ♦

Core hours in CSC (24 credits)

ASE 230 Server-Side Programming (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 350 Database Programming (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 362 Computer Systems (3 credits) ♦
CSC 364 Data Structures and Algorithms (3 credits) ♦
CSC 460 Operating Systems (3 credits) ♦
CSC 482 Computer Security (3 credits) ♦

Core hours in other Informatics programs (17 credits)

BIS 300 Management Information Systems (3 credits) ♦
BIS 382 Information Security Management (3 credits) ♦
INF 100 Orientation to College of Informatics (1 credit)
INF 120 Elementary Programming - NS (3 credits) ♦
INF 201 Foundations of Informatics Professionals (1 credit)
INF 284 Introduction to Computer Networks (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦

Core courses outside of Informatics (9 credits)

MAT 185 Introductory Discrete Mathematics - QR (3 credits) ♦
PHI 310 Information Ethics (3 credits)

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Electives (6 credits)

Students must complete 6 additional hours of 3xx/4xx coursework from the list below.

ASE 456 Cross-Platform Development (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦
CIT 381 Raspberry PI Based IoT (3 Credits)
CIT 383 Scripting I (3 credits) ♦
CIT 396 Computer Information Technology Practicum (0-3 credits) ♦
CYS 430 Computer Forensics (3 credits) ♦
CIT 438 Cloud Computing (3 Credits) ♦
CIT 470 Advanced Network and System Administration (3 credits) ♦
CIT 472 Database Administration (3 credits) ♦
CIT 483 Scripting II (3 credits) ♦
CYS 484 Network Security (3 credits) ♦
CMST 370 Advanced Public Speaking (3 credits) ♦
CSC 396 Computer Science Practicum (0-3 credits) ♦

CSC 415 Mobile App Development (3 credits) ♦
CSC 425 Artificial Intelligence (3 credits) ♦
CYS 305 Peer Teaching Assistant Training (3 credits)
CYS 392 Intermediate Research Experience in CYS (0-3 credits)
CYS 394 Intermediate Topics: Cybersecurity (1-3 credits)
CYS 396 Cybersecurity Practicum (0-3 credits)
CYS 399 Intermediate Independent Study: CYS (1-3 credits)
CYS 439 Cloud Security (3 credits)
CYS 492 Advanced Research Experience in CYS (0-3 credits)
CYS 494 Advanced Topics: Cybersecurity (1-3 credits)
CYS 499 Advanced Independent Study: CYS (1-3 credits)
MAT 483 Cryptology (3 credits) ♦

Experiential Learning

Students are required to enroll in and pass one experiential learning experience as part of their degree requirement. There is no minimum number of credit hours for this requirement. To complete this requirement, students may take one or more of the following classes: CYS/CSC/CIT 292/392/492 undergraduate research, CYS/CSC/CIT 296/396 Practicum, CEP 300 Cooperative Education, SCI 393 STEM Peer Mentors, or CYS 305. Credit for courses vary and some courses may be taken for 0 to 6 credit hours. While students can receive experiential learning credit with a 0-credit course, courses that will also be used as elective credit, as listed above, must take one of these courses for at least 1 credit hour. In order to take one of these classes, permission must be obtained from the department.

If a student is not able to complete any of these courses, then they should consult their advisor and the program director for other options.

Data Science, B.S.

A major in data science requires between 75 and 82 credit hours, depending upon ACT/SAT scores or successful completion of placement testing. Students in data science study a core of courses that include statistics, data analytics, and programming courses. Students are required to choose one of following application areas: Biology, Geographic Information System (GIS), and Business Informatics (BI). Students will also select two guided electives.

Depending upon the selection of the two guided elective courses, the student may also earn a minor in applied statistics, business informatics, computer science, or mathematics.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (75-82 CREDITS)

Courses in Informatics (6-9 credits)

INF 120 Elementary Programming - NS (3 credits) ♦
INF 128 Principles of Informatics - SB (3 credits)
INF 286 Introduction to Web Development (3 credits) ♦

Courses in Computer Science (15 credits)

CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 350 Database Programming (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 364 Data Structures and Algorithms (3 credits) ♦
CSC 425 Artificial Intelligence (3 credits) ♦

Courses in Cybersecurity (3 credits)

CYS 320 Info Assurance, Security and Privacy (3 credits) ♦

Courses in Data Science (16 credits)

DSC 101 Introduction to Data Science (1 credit)
DSC 200 Data Wrangling (3 credits) ♦
DSC 311 Data Analytics and Visualization (3 credits) ♦
DSC 411 Data Mining (3 credits) ♦
DSC 421 Big Data (3 credits) ♦
DSC 496 Data Science Capstone (3 credits) ♦
DSC 496 must be taken at the same time as a 0-credit hour section of one of the following two courses.
BIO 292 Introduction to Research in Biology (0 credits) ♦
OR
DSC 292 Introductory Research Experience in DSC (0-3 credits) ♦

Courses in Mathematics and Statistics (18 credits)

MAT 128 Calculus A - QR (3 credits) ♦
MAT 227 Calculus B (3 credits) ♦
MAT 228 Calculus C (3 credits) ♦
MAT 234 Linear Algebra (3 credits) ♦
STA 250 Probability and Statistics I (3 credits) ♦
STA 305 Intermediate Statistical Methods with R (3 credits) ♦

Courses in Other Disciplines (3 credits)

PHI 310 Information Ethics (3 credits)

Guided Electives (3 credits)

Select one course from the following:

ASE 230 Server-Side Programming (3 credits) ♦
CSC 362 Computer Systems (3 credits) ♦
CSC 402 Advanced Programming Methods (3 credits) ♦
CSC 426 Deep Learning (3 credits) ♦
CSC 450 Database Systems (3 credits) ♦
CSC 460 Operating Systems (3 credits) ♦
CSC 464 Design and Analysis of Algorithms (3 credits) ♦
CSC 482 Computer Security (3 credits) ♦
DSC 396 Data Science Practicum (0-3 credits) ♦
DSC 431 Network Analysis (3 credits) ♦
DSC 494 Advanced Topics: Data Science (1-3 credits) ♦ *
DSC 499 Advanced Independent Study: Data Science (1-3 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 375 Applied Mathematical Models (3 credits) ♦
STA 312 Elementary Survey Sampling (3 credits) ♦
STA 316 Regression Analysis (3 credits) ♦
STA 317 Introduction to Time Series Analysis (3 credits) ♦
STA 327 Categorical Data Analysis (3 credits) ♦
STA 341 Statistics II (3 credits) ♦
STA 360 Statistical Computing (3 credits) ♦
STA 365 Statistics with Simulation & Resampling (3 Credits)
STA 370 Introduction to Statistical Consulting (3 credits) ♦

*DSC 494 may be repeated for credit toward the guided electives as topics vary. No more than 6 hours of DSC 392/399/492/499 can count toward the DSC major.

Application Area (11-15 hours)

Complete one of the following three application areas.

BIS Application Area (15 hours)

Take the following 15 hours

BIS 275 Introduction to Business Analysis (3 credits)
BIS 300 Management Information Systems (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦
BIS 384 Business Analytics (3 credits) ♦
BIS 420 Business Intelligence & Enterprise Appl. (3 credits) ♦

GIS Application Area (13 hours)

Take the following four courses

GEO 415 Cartography (3 credits) ♦
GEO 418 Geographic Information Systems (4 credits) ♦
GEO 419 Remote Sensing of Environment (3 credits) ♦
GEO 518 Geographic Information Analysis (3 credits) ♦

Biological Sciences Application Area (11-12 hours)

Take 11 or 12 of the hours as indicated below.

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Take either
BIO 304 General Ecology (3 credits) ♦
OR both of the following
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)

Economics, B.S.

Thinking about the discipline: The Bachelor of Science in Economics prepares students for career opportunities in applied economics, market analysis, banking, policy analysis or the social sciences. These careers can be found in the private and public sector. The economics degree is also excellent preparation for careers that require decision-making and the ability to analyze data relevant to policy, business, and finance. The degree further provides an excellent foundation for graduate study in economics, law political science, or public administration.

The economics degree program is designed to provide flexibility and ease of access to a wide variety of minors, as the curriculum provides up to 33 credit hours at the 300/400 level that can be used for minors or a double major. Economics majors can choose a minor and additional elective courses in a field that fits their career goals - for example, those with an interest in environmental policy can elect a minor in environmental studies. Business is a popular minor for those with career interests in the private sector. All students are strongly encouraged to discuss their career goals with economics faculty for guidance in choosing an appropriate minor.

For students who plan to continue their education with a graduate degree, economics is a good choice for a wide variety of fields including law, public policy, or politics. Students interested in graduate-level economics study are advised to minor in mathematical sciences to strengthen their credentials for admission to the best programs. Students contemplating graduate study are encouraged to discuss their plans with the economics faculty.

Special opportunities for our students: Students may consider using an internship (ECO 396) to fulfill an elective requirement in the economics degree program. The internship option allows students to gain practical work experience and real-world networking exposure at the local, regional, national, or international level while under the guidance and supervision of an expert professional. Internships can also be targeted to the area of the student's minor. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding economics student of the year.

You should also know: Students of economics must earn at least a C- in all of their major courses, and a minimum of 2.25 GPA in the major.

DEGREE REQUIREMENTS (36 CREDITS)

ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
ECO 203 Economics & Business Analytical Skills (3 credits)
ECO 300 Intermediate Macroeconomics (3 credits) ♦
ECO 301 Intermediate Microeconomics (3 credits) ♦
ECO 310 Introduction to Econometrics (3 credits) ♦
ECO 311 Econometrics II (3 credits) ♦
ECO 485 Seminar in Economics (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
Select three ECO 300/400-level courses (9 credits) other than ECO 305 which is not an approved elective.

Electrical and Electronic Engineering Technology, B.S.

This program provides students with both the technological and managerial skills necessary to enter careers in design, application, installation, manufacturing, operation, and maintenance of electrical or electronics systems. Graduates gain skills to analyze, design, apply, and troubleshoot systems with electronic, digital, analog, microcontroller, software, and mechanical components. The combination of practical and theoretical education leads to graduates with diverse technical skills throughout a wide range of applications. Students are required to to take cooperative education ("co-op") in industry starting with their second year at school, which often continues and leads to full-time employment.

The EET program is accredited by the Engineering Technology Accreditation Commission of ABET (http://www.abet.org). EEET program will be reviewed in 2019.

Students are required to complete the core and a track. A minor is not required. Students in this degree program may not apply for the Electronics Technology Minor.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (95 CREDITS)

Core Courses (55 credits)

EGT 161 DC Circuit Analysis (3 credits) ♦
EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 243 AC Circuit Analysis (3 credits) ♦
EGT 245 Digital Electronics (3 credits) ♦
EGT 267 Programming for Engineering Applications (3 credits) ♦

EGT 301 Cooperative Education in Engineering Technology (3 credits) ♦
EGT 310 Project Management and Problem Solving (3 credits) ♦
EGT 330 Electrical Machines (3 credits) ♦
EGT 344 Analog Electronics (3 credits) ♦
EGT 367 Microprocessors (3 credits) ♦
EGT 377 Power Electronics (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
EGT 402 Control Systems (3 credits) ♦
EGT 404 Signals and Systems (3 credits) ♦
EGT 416 Capstone I (1 Credit) ♦
EGT 417 Capstone II (3 credits) ♦ (may be repeated up to three times)
EGT 448 Network Hardware (3 credits) ♦
EGT 467 Advanced Microprocessors (3 credits) ♦
EGT 477 Electrical Power Systems (3 credits) ♦

Core Courses in Other Disciplines (25 credits)

CHE 130 Chemistry: An Engineering Approach - NS (3 credits) ♦
CHE 130L Chemistry: An Engineering Approach Lab - SL (1 credit) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦
SOC 100 Introduction to Sociology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦

Electives (15 credits)

Select 15 credit hours of electives from the following list:

EGT 261 Engineering Materials (3 credits) ♦
EGT 280 Introduction to Microtechnology (3 credits) ♦
EGT 300 Statics and Strength of Materials (3 credits) ♦
EGT 318 Introduction to Nanotechnology (3 credits) ♦
EGT 320 Robotic Systems and Material Handling (3 credits) ♦
EGT 321 Productivity Management, Scheduling, and Planning (3 credits) ♦
EGT 340 Applied Dynamics (3 credits) ♦
EGT 361 Fluid Power (3 credits) ♦
EGT 394 Special Topics (1-3 credits) ♦ - *May be taken for repeated elective credit as topics vary.*
EGT 405 Metrology and Geometric Tolerancing (3 credits) ♦
EGT 408 Mechatronic Systems (3 credits) ♦
EGT 412 Advanced CADD (3 credits) ♦
EGT 423 Planning and Design of Industrial Facilities (3 credits) ♦
EGT 450 Thermodynamics and Heat Transfer (3 credits) ♦

TOTAL CREDITS 91

Engineering Physics, B.S.

Bachelor of Science in Engineering Physics is designed for students who have an interest in both engineering and physics. The proposed degree program consists of courses from physics, engineering technology, mathematics, computer science, statistics and chemistry as required courses. It requires 31 credit hours of physics courses, 21 credit hours of engineering technology courses as the core requirement. In addition, the students are required to choose a track either from mechanical engineering technology, electronics engineering technology, or mechatronics engineering technology which will consist of 12 credit hours. As supporting requirements, a student will take 30 credit hours in chemistry, mathematics statistics and computer science. Therefore, the total credit hours required for the degree is 91 credit hours (in addition to the General Studies requirements).

This bachelors' degree program is designed to produce graduates who will combine knowledge in advanced physics and engineering technology to solve problems in engineering fields. The graduates from this program will have knowledge and practical experience in designing, planning, testing, evaluating, reporting, as well as process management and problem solving skills. A graduate in engineering physics will:

1. Be able to gain employment in engineering, technical, or leadership careers where they continue to enhance their knowledge in mechanical or electronics engineering disciplines.

2. Be able to pursue graduate studies in physics, engineering or applied physics.

CORE COURSES IN PHYSICS (31 CREDITS)

PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
PHY 300 Intermediate Physics Laboratory (2 credits)
PHY 305 Statics (3 credits) ♦
PHY 310 Dynamics (3 credits) ♦
PHY 320 Physical Optics (3 credits) ♦
PHY 360 Thermodynamics (3 credits) ♦
PHY 361 Modern Physics I (3 credits) ♦
PHY 393 Physics Seminar (1 credit) ♦

CORE COURSES IN ENGINEERING TECHNOLOGY (19 CREDITS)

In addition to 21 core credit hours of engineering technology courses, students must also select and complete one of the three 12-credit hour tracks below.

EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 267 Programming for Engineering Applications (3 credits) ♦
EGT 301 Cooperative Education in Engineering Technology (3 credits) ♦
EGT 310 Project Management and Problem Solving (3 credits) ♦
EGT 361 Fluid Power (3 credits) ♦
EGT 416 Capstone I (1 Credit) ♦

EGT 417 Capstone II (3 credits) ♦

Electronics Engineering Technology Track

EGT 243 AC Circuit Analysis (3 credits) ♦
EGT 245 Digital Electronics (3 credits) ♦
EGT 367 Microprocessors (3 credits) ♦
EGT 467 Advanced Microprocessors (3 credits) ♦

Mechanical Engineering Technology

EGT 211 Quality Control (3 credits) ♦
EGT 261 Engineering Materials (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
EGT 480 Machine Design (3 credits) ♦

Mechatronics Engineering Technology Track

EGT 320 Robotic Systems and Material Handling (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
EGT 402 Control Systems (3 credits) ♦
EGT 408 Mechatronic Systems (3 credits) ♦

SUPPORT COURSES (27 CREDITS)

Students must complete each of the following courses in mathematics, chemistry, computer science and statistics as support courses for the engineering degree.

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
MAT 329 Calculus III (4 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦

Environmental Science, B.S.

Location: Herrmann Science Center 204D
Telephone: 859-572-5110
Fax: 859-572-5639
Email Address: envs@nku.edu
Web Address: https://nku.edu/academics/artsci/programs/undergraduate/environmentalscience.html
Program Director: Kristine N. Hopfensperger, Department of Biological Sciences
Other Faculty: Chris Curran, Sydney Oluoch, Allison Parker, Yingying Xie

The B.S. in environmental science focuses on understanding the physical, chemical, and biological principles underlying the structure and function of our environment as well as understanding how, and to what extent, human activities have interfered with that structure and function. The inclusion of research or internships enables students to gain expertise and experience to monitor, analyze, and contribute to the solution of current environmental problems. Students graduating with a Bachelor of Science in environmental science are well equipped to join the ranks of other environmental professionals working with local, state, and federal agencies; consulting firms; or nonprofit organizations. They are also qualified to become part of a research team or pursue graduate study in environmental sciences.

You should also know: The degree of Bachelor of Science in environmental science will be conferred upon all students who complete all of the following course requirements with a grade of *C*- or better.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (79-85 CREDITS)

Core Courses

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
BIO 304 General Ecology (3 credits) ♦
BIO 304L Ecology Laboratory (1 credit) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)
ENV 115 Orientation to Environmental Science Careers (1 credit)
ENV 332 Visualizing Environmental Data in R (3 credits)
ENV 493 Seminar: Environmental Science (1 credit) ♦
GEO 306 Environmental Resource Management (3 credits) ♦
GEO 418 Geographic Information Systems (4 credits) ♦
GLY 110 Earth Science with Laboratory - SL (4 credits)
GLY 340 Introduction to Environmental Geoscience (3 credits) ♦
GLY 450 Hydrogeology (4 credits) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Select one course from the following (3 credits)

BIO 406 Ecosystem Ecology (4 credits) ♦ AND
BIO 406L Ecosystem Ecology Laboratory (0 credits)

ENV 130 Water and People - NS (3 credits) ♦ AND
ENV 130L Water and People Laboratory - SL (1 credit)

ENV 294 Topics in Environmental Science (1-5 credits) ♦
ENV 308 Science Communication (3 Credits) ♦
ENV 324 Disease Ecology and Human Health (3 credits) ♦
ENV 350 Environmental Toxicology (3 credits) ♦
ENV 394 Topics: Environmental Science (1-3 credits) ♦

ENV 408 Ecology of the City (4 credits) ♦ AND
ENV 408L Ecology of the City Laboratory (0 credits)
Or other course approved by the program director

One 3-credit-hour internship --OR-- Directed research (3 credits)

Minor (8-14 credits)

A minor in biology, chemistry, geology, geography, geographic information systems, mathematics, or statistics (The requirements for the minor beyond the 8-14 credit hours are completed as part of the environmental science major.)

Exercise Science, B.S.

Students who major in exercise science focus on the study of human movement within a biomechanical and physiological context; including aspects of anatomy, physiology, chemistry, physics, biology, nutrition and applied training principles. An exercise science degree prepares students for jobs in the fields of strength and conditioning, clinical exercise physiology (cardiac rehabilitation, pulmonary rehabilitation, etc.), sport performance, human performance (military, police, fire fighters, etc.) and applied research. Pre-professional programs that fit well with an exercise science degree are: physical therapy, occupational therapy, and prosthetics. (Students are advised to review specific requirements of professional programs at respective universities offering physical therapy and occupational therapy.)

A grade of *C*- or higher is required in all major coursework for exercise science undergraduate majors.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (84 CREDITS)

Courses in Kinesiology and Health (65 credits)

KIN 125 Introduction to Physical Education, Fitness, and Sport (3 credits)
KIN 200 Concepts of Lifetime Fitness (2 credits)
KIN 260 Introduction to Strength and Conditioning (3 credits)
KIN 280 Basic Recognition and Care of Athletic Injuries (3 credits)
KIN 313 Computer Applications for Health and Kinesiology (2 credits)
KIN 295 Anatomical Kinesiology (3 credits) ♦
KIN 325 Motor Development, Learning, and Control (3 credits)
KIN 325L Motor Development, Learning, and Control (1 credit)
KIN 340 Exercise Physiology (3 credits) ♦
KIN 340L Exercise Physiology Lab (1 credit) ♦
KIN 349 Exercise Prescription (3 credits) ♦
KIN 360 Statistics and Measurement in Kinesiology (3 credits) ♦
KIN 370 Biomechanics (3 credits) ♦
KIN 380 Clinical Exercise Physiology (3 credits) ♦
KIN 450 Organization and Administration of Kinesiology and Athletics (3 credits) ♦
KIN 481 Nutrition for Sport and Exercise (3 credits) ♦
KIN 483 Advanced Strength and Conditioning (3 credits) ♦
KIN 498 Research, Trends, and Issues in Exercise Science (3 credits) ♦

KIN 496 Internship in Exercise Science (9 credits) ♦
OR
KIN 497 Exercise Science Senior Synthesis (3 credits) ♦ AND
6 KIN credit hours 300 level or above

Electives (6 credits)

Select 300/400/500-level KIN, PHE, HEA, or ATP courses (with department approval) (6 credits)

Courses in Other Disciplines (19 credits)

BIO 126 Human Nutrition - NS (3 credits) ♦
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)
CHE 115 Physiological Chemistry - NS (3 credits) ♦
CHE 115L Physiological Chemistry Laboratory - SL (1 credit)
PHY 110 Introduction to Physics with Laboratory - SL (4 credits) ♦

Geology, B.S.

The Bachelor of Science in geology is designed for students pursuing a career in geology after graduation and for those planning to attend graduate school. The Bachelor of Science in geology requires 54 hours of geology courses and 22-23 credits in other disciplines. Upon completion of the requirements for a Bachelor of Science degree, students are eligible to take the Geologist Registrants in Training Exam, which is the first requirement toward professional registration. Due to the interdisciplinary nature of this program, a minor is not required for the Bachelor of Science degree in geology.

Special graduation requirements: A grade of C- or better must be earned in all geology courses counting toward the major.

DEGREE REQUIREMENTS (76-77 CREDITS)

Core Courses (42 credits)

GLY 100 Careers in Geoscience (1 credit) ♦
GLY 110 Earth Science with Laboratory - SL (4 credits)
GLY 115 History of the Earth - NS (3 credits)
GLY 315 Structural Geology with Laboratory (4 credits) ♦
GLY 330 Geomorphology with Laboratory (4 credits) ♦
GLY 335 Mineralogy and Petrology (4 credits) ♦
GLY 340 Introduction to Environmental Geoscience (3 credits) ♦
GLY 360 Environmental Geophysics (4 credits) ♦
GLY 415 Earth Science Applications of GIS (3 Credits) ♦
GLY 420 Stratigraphy and Sedimentation with Laboratory (4 credits) ♦
GLY 425 Economic Geology (4 credits) ♦
GLY 450 Hydrogeology (4 credits) ♦

Select GLY course from the following (3 credits)

GLY 120 This Dangerous Earth - SB (3 credits)
GLY 125 Prehistoric Life - NS (3 credits)
GLY 130 Geology of National Parks - NS (3 credits)

Select GLY courses from the following (9 credits)

GLY 325 Geology of the Planets (3 credits) ♦
GLY 341 Soil Science (3 credits) ♦
GLY 392 Directed Research: Geology (1-4 credits) ♦
GLY 394 Topics: Geology (1-3 credit) ♦
GLY 416 Geologic Field Methods (3 credits) ♦
GLY 435 Petrology and Petrography (4 credits) ♦
GLY 445 Geophysical Modeling (3 credits) ♦
GLY 455 Groundwater Resources and Management with Laboratory (4 credits) ♦
GLY 461 Ecology and Geology of Coral Reefs (4 credits) ♦
GLY 496 Externship: Geology (1-3 credits) ♦

Courses in Other Disciplines (22-23 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦

MAT 128 Calculus A - QR (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦
OR
STA 205 Statistical Methods - QR (3 credits) ♦

Health Informatics, B.S.

This program provides the student with the specialized skills and knowledge required for a Health Informatics professional. This includes a working knowledge of health care delivery systems and encompasses both technical and clinical knowledge. Knowledge domains include systems and processes; basic health sciences, security, privacy, confidentiality, ethical issues; health system organization; public policy and payment models; project management; health information system design and healthcare data analytics.

CORE COURSES (39 CREDITS)

Core Courses in the BS HIN Program

BIS 101 Fundamentals of Business Computing (3 credits)
BIS 275 Introduction to Business Analysis (3 credits)
BIS 300 Management Information Systems (3 credits) ♦
BIS 310 Systems Analysis and Design (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BIS 384 Business Analytics (3 credits) ♦
BIS 435 Database Management Systems (3 credits) ♦
HCOM 301 Health Communication (3 credits) ♦
INF 110 Introduction to Application Development (3 credits)
INF 128 Principles of Informatics - SB (3 credits)
INF 282 Introduction to Databases (3 credits) ♦
INF 284 Introduction to Computer Networks (3 credits) ♦

MAJOR COURSES (28 CREDITS)

HIN 101 Introduction to Health Informatics (1 Credits)
HIN 200 Introduction to Healthcare Operations (3 Credits)
HIN 275 Information Management and Revenue Cycle (3 credits)
HIN 355 Foundations of Health Informatics (3 credits)
HIN 356 Health Information Management (3 credits) ♦
HIN 382 Healthcare Information Security and Privacy (3 credits) ♦
HIN 386 Healthcare Data (3 Credits)
HIN 450 Quality Management in Healthcare (3 credits) ♦
HIN 485 Health Informatics Capstone (3 credits) ♦
HIN 486 Healthcare Analytics (3 Credits)

ELECTIVE COURSES (9 CREDITS)

Elective Courses in the HIN Program.

BIS 305 Advanced Business Programming (3 credits) ♦
BIS 364 Visualizing Data for Business Analysis (3 Credits) ♦
BIS 394 Topics: Information Systems (3 credits) ♦
BIS 420 Business Intelligence & Enterprise Appl. (3 credits) ♦
BIS 430 Business Process Analysis (3 credits) ♦
HIN 392 Directed Research in Health Informatics (1-3 credits) ♦
HIN 396 Applied Heath Informatics (1-3 credits) ♦
HIN 397 Health Informatics Project (1-3 credits) ♦

Health Science, B.S.

The Bachelor of Science (BS) in Health Science program is a non-clinical, general degree program that provides students with the opportunity to gain well-rounded, holistic knowledge of various subject areas surrounding health, health care, and populations utilizing the health care system. In addition to promoting the "team concept" in healthcare, the curriculum blends technical and humanistic theories to give graduates a solid foundation for a variety of professions related to health.

Students enrolled in the program represent a variety of academic and professional backgrounds and because of this; the Health Science program has two program tracks to meet the needs of students.

Special graduation requirements:

A minimum grade of *C* or better for successful completion of major requirements, including major electives.

Health Science, Focus

Students completing a focus in Health Science must choose (4) 400-500 level HSC or HHS prefixed courses. Alternate courses may be considered but must be approved by the Health Science Program Director. It is strongly encouraged to seek approval prior to taking a course that is not HSC or HHS prefixed for the focus. Any course used towards a Health Science Focus must have an earned grade of "C" or higher to be accepted for the focus.

Health Care Industry Certification Examinations:

Students who hold credentials in a health-related field, earned outside of their academic record, should contact the health science program director to see if additional academic credit can be awarded. For example, advanced/secondary credentials in radiologic technology or nuclear medicine (for example, CT, MRI, cardiovascular imaging, PET, etc.) or respiratory care (for example, polysomnography) may be awarded up to six hours of coursework at the 300 level or above that may be used toward credit hour total. Students holding other medical certifications may also be eligible. Credentials must have been awarded by a recognized national organization. The process for receiving credit is found at (http://testing.nku.edu/CPL.html). Student who have industry credentials not listed on the CPL website should contact the health science program director for evaluation of certification.

Prior learning credit is also available for radiographers who have graduated from an accredited radiography program, but who may not have coursework that transfers to NKU or radiographers who were trained at a hospital-based program. Students must have passed the American Registry of Radiologic Technologists national examination, have maintained their certification and can provide documentation of current certification. These students may be awarded up to 49 hours of radiography professional coursework, dependent on year of initial certification; award of credit will be posted to the student's transcript upon completion of the process found at (http://testing.nku.edu/CPL.html). Credit hours earned under this policy may not be used to satisfy the residency requirements for graduation. Students who earn these credit hours must meet all prevailing university and program requirements for graduation.

♦ Indicates prerequisite.

DEGREE COMPLETION TRACK

This track is designed for students who have an earned associate's degree in a health discipline looking to complete a bachelor's degree. Students in this track already have a foundation in a respective healthcare field but choose this track for career mobility in areas of leadership, education/training, research, and/or the degree can serve as a stepping-stone to a graduate program. The Degree Completion track is delivered in an asynchronous accelerated online format. While students in this track typically have extensive college credit, students must additionally meet all university graduation requirements, in addition to the major requirements for the track. An associate of applied science (AAS) degree or equivalent from an accredited institution serves as an imbedded minor for the degree completion track.

Admission Requirements for the Degree Completion Track

Admission to NKU
Associate's degree in a specific health discipline
Minimum college GPA of 2.30

Major Requirements for the Degree Completion Track (33 credit hours)

HSC 410 Healthcare Management (3 credits) ♦
HSC 413 Aging in Today's Society (3 credits)
HSC 415 Ethical and Legal Issues in Healthcare (3 credits) ♦
HSC 421 Healthcare Research (3 credits) ♦
HSC 440 Issues in Chronic Disease Management (3 credits) ♦
HSC 480 Global Perspectives of Health Care (3 credits) ♦
HSC 510 Trends and Cultural Issues in Healthcare (3 credits) ♦
HHS 500 Teaching & Learning in Healthcare Educat (3 credits) ♦
HIN 355 Foundations of Health Informatics (3 credits)
LDR 308 Leadership Development (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

B.S. IN HEALTH SCIENCE - TRANSDISCIPLINARY TRACK

This track is a general degree program designed for students who want to work in some aspect related to health and/or health care, but do not wish to complete an undergraduate clinically-based program. This track can also serve as a pre-professional program for those planning to complete a clinical or non-clinical graduate level program. Students completing this track will graduate with an extensive understanding of our complex health care industry, the diverse population it serves, and how to effectively communicate between the two. The multidisciplinary coursework will also provide students with the knowledge to understand the various components that contribute to wellness and the challenges that present when working to achieve positive health outcomes.

Students in this track are required to complete a minor relative to their career goals or in an area that will further enhance their desired skill set. Students enrolled in the transdisciplinary track can complete the program in either a hybrid format (both online and face-to-face courses) or entirely online with proper course selection.

Admission Requirements for the Transdisciplinary Track of the Health Science Program

Admission to NKU
No academic deficiencies
Minimum GPA of 2.50 (high school or 1-29 hours of college coursework) (4.0 scale)
Minimum GPA of 2.30 (> 30 hours college coursework) (4.0 scale)

Transdisciplinary Track - Major (79-83 credits)

BIO 126 Human Nutrition - NS (3 credits) ♦

BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦
BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦

OR

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
AND
BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)

Any CHE or PHY course (3 credits)
HHS 500 Teaching & Learning in Healthcare Educat (3 credits) ♦

CMST 220 Interpersonal Communication (3 credits) ♦ OR
CMST 303 Organizational Communication (3 credits) ♦

CMST 403 Health Communication (3 credits) ♦
OR
HCOM 301 Health Communication (3 credits) ♦
OR
HCOM 305 Patient-Provider Communication (3 credits) ♦

HEA 230 Personal Health and Wellness (3 credits) OR
BIO 125 Biological Perspectives of Wellness - NS (3 credits) ♦

HEA 370 Community Health (3 credits)
HIN 355 Foundations of Health Informatics (3 credits)
HSC 101 Introduction to Health Professions (3 credits)
HSC 410 Healthcare Management (3 credits) ♦
HSC 413 Aging in Today's Society (3 credits)
HSC 421 Healthcare Research (3 credits) ♦
HSC 440 Issues in Chronic Disease Management (3 credits) ♦
HSC 480 Global Perspectives of Health Care (3 credits) ♦

LDR 300 Foundations of Leadership (3 credits) ♦ OR
LDR 308 Leadership Development (3 credits) ♦

PHI 200 Introduction to Ethics - AH (3 credits)
OR
PHI 220 Health Care Ethics - AH (3 credits)

PSY 100 Introduction to Psychology - SB (3 credits)

PSY 344 Industrial/Organizational Psychology (3 credits) ♦

PSY 321 Lifespan Development (3 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Electives (15 credits)

Elective options are divided into categories to help with course selection, based on interest area(s). Student will choose 15 credit hours of electives from any of courses listed below. Students who would like to use a different course(s) other than what is listed must contact the health science program director for approval *prior* to taking the course(s).

Elective options related to health issues or life changes:
CMST 333 Lifespan Communication (3 credits) ♦
HEA 320 Drug and Alcohol Education (3 credits) ♦
HSR 300 Ethics & Issues in Human Svc Profession (3 credits) ♦
HSR 314 Death, Dying, and Grief (3 credits) ♦
HSR 330 Introduction to Disability Studies (3 credits) ♦
HSR 400 At-Risk Populations in Human Services (3 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
SOC 450 Medical Sociology (3 credits) ♦
SOC 480 Global Aging Issues and Policies (3 credits) ♦

Elective options related to culture:
CMST 355 Culture and Communication (3 credits) ♦
HCOM 315 Sociocultural Aspects of Health (3 credits) ♦
HSC 510 Trends and Cultural Issues in Healthcare (3 credits) ♦
HSR 303 Multicultural Issues in Human Services (3 credits)

Additional Elective Options:
CEP 300 Cooperative Education (1-3 credits) 1-12 credits can be used towards elective total
HCOM 450 Health Campaigns (3 credits) ♦
HCOM 480 Communication Technology and Health (3 credits) ♦
HCOM 485 Communicating Health Policy (3 credits) ♦
HCOM 494 Special Topics: Health Communication (3 credits)

HIN 356 Health Information Management (3 credits) ♦
HSC 415 Ethical and Legal Issues in Healthcare (3 credits) ♦
HSC 494 Topics in Healthcare (3 credits) ♦
HSR 430 Human Services Administration (3 credits) ♦

Human Services and Addictions, B.S.

The Human Services and Addictions program at Northern Kentucky University provides knowledge, skills training and practical field experiences to students seeking entry level positions in a variety of human services fields with a special emphasis on addictions. Students will be prepared to provide ethical, culturally-sensitive and effective services to individuals, groups and communities.

Students graduating with a bachelor of science in Human Services and Addictions are prepared for positions in work settings such as mental health agencies, rehabilitation facilities, residential treatment programs, group homes, halfway houses, therapeutic recreation, daycare centers, after-school programs, substance use programs, rehabilitation settings, and a variety of programs serving the developmentally challenged and the elderly.

Special opportunities for our students:

- Courses are offered in an online or hybrid format to accommodate the schedules of busy students.
- The Human Services and Addictions program is part of the College of Health and Human Services (CHHS), characterized by a commitment to community-based applied learning. There are two field experience courses - "HSR 304 Field Experience and Seminar (3 credits)", and "HSR 404 Advanced Field Experience and Seminar (3 credits)." Each course requires approximately 12 hours of work each week in a human services/behavioral healthcare agency for a minimum of 180 total placement hours per semester. In addition, each field placement course includes bi-weekly seminar classes related to the field experience.
- Human Services and Addictions (HSR) students with a GPA of 2.5 who are active advocates for human services are eligible to apply for the Jane Dotson Memorial Scholarship.
- HSR majors are encouraged to become a CHHS Student Ambassador. CHHS Student Ambassadors develop leadership skills while representing the college and the Human Services and Addictions program at various university functions.
- Students must take electives in addition to required courses to meet the academic requirements for certification and/or licensure as a chemical dependency counselor in Kentucky and Ohio. Students may also elect to choose practicum sites that will provided necessary field work experience and hours that will aid in the certification/licensure process and requirements. It is important to review each state's licensure and/or certification requirements for becoming a chemical dependency counselor.

Special graduation requirements: Students must successfully complete all required human services and addictions courses and all program-required supportive courses with a grade of *C-* or better and have a minimum GPA of 2.5 to graduate with a bachelor of science in Human Services and Addictions.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (63 CREDITS)

Required Core Courses

Thirteen (13) courses; 39 credit hours

HSR 100 Society and Human Services - SB (3 credits)
HSR 105 Helping Skills and Techniques for Human Service Professionals (3 credits)
HSR 205 Case Mgmt. Skills-Human Svc Professional (3 credits)
HSR 300 Ethics & Issues in Human Svc Profession (3 credits) ♦
HSR 303 Multicultural Issues in Human Services (3 credits)
HSR 305 Principles of Assessment in Human Svcs (3 credits) ♦
HSR 312 Crisis Intervention (3 credits)
HSR 340 Intro to Substance Use in Human Services (3 credits) ♦
HSR 400 At-Risk Populations in Human Services (3 credits) ♦
HSR 412 Leadership Skills for Small Groups (3 credits) ♦
HSR 416 Theories/Skills for Helping Professions (3 credits) ♦
HSR 430 Human Services Administration (3 credits) ♦
HSR 450 Diagnosis & Treatment: Sub Use Disorders (3 credits) ♦

Required Field Practice

Two (2) courses; 6 credit hours

HSR 304 Field Experience and Seminar (3 credits) ♦
HSR 404 Advanced Field Experience and Seminar (3 credits) ♦

Courses from other disciplines

Three (3) courses; 9 credit hours

EDU 300 Human Growth and Development (3 credits) ♦

STA 113 Probability and Statistics with Elementary Education Applications - QR (3 credits) ♦
OR
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

PSY 100 Introduction to Psychology - SB (3 credits)

HSR Elective Courses

Three (3) courses; 9 credit hours

COU 594 Special Topics in Counseling (1-6 credits) ♦
HSR 314 Death, Dying, and Grief (3 credits) ♦
HSR 326 Behavior Problems of Children (3 credits) ♦
HSR 330 Introduction to Disability Studies (3 credits) ♦
HSR 428 Family Systems (3 credits) ♦

HSR 431 Fundamentals of Nonprofit Management (3 credits) ♦
HSR 494 Selected Topics: Human Svcs & Addictions (3 credits)
HSR 499 Independent Study (1-4 credits) ♦
HSR 547 Children and Families in Health Care (3 credits) ♦
HSR 574 Grief and Loss Across the Lifespan (3 credits) ♦
HSR 594 Selected Topics in Human Services (1-3 credits) ♦
HSR 420 Process Addictions (3 credits) ♦

Library Informatics, B.S.

Available exclusively in a fully-online format.

By completing a bachelor's degree in library informatics a student will be prepared to work in the expanding career fields of information evaluation and management. Professional positions are available in a wide variety of settings: libraries, corporate information centers, research divisions, government agencies, public service institutions, and more. Courses in this program focus on three broad areas of expertise for information specialists:

Organizing information: Through coursework, students will learn to use technology, identification schemes, and classification models to manage information more effectively. Examples of specific course topics include the subject classification systems, meta-data programs, information policy, information entrepreneurship, preservation of original sources, and the unique organizational demands of multiple media materials.

Accessing information: Coursework will guide students in the development of effective and efficient information retrieval and will build skills to devise effective search strategies for a wide variety of database structures and search engine protocols. Examples of specific course topics include the use of tertiary reference guides to streamline information seeking; publication and dissemination cycles; the structure of information searches to retrieve specific information characteristics; cost-benefit analyses of information searches; and ethical and legal issues in using information.

Assessing information: Course content centers on evaluating usability, reliability, and sufficiency of information sources. Specific study would include applying critical thinking skills to the analysis of resources; matching information sources to specific audience needs; judging the relative value of various information packages; and evaluating decision-making models using data and opinion sources.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (45 CREDITS)

Core Courses

LIN 300 Information in Our Society (3 credits)
LIN 301 Introduction to Meta Information System (3 credits) ♦
LIN 302 Digital Searching Interfaces (3 credits)
LIN 303 Critical Reading (3 credits)
INF 282 Introduction to Databases (3 credits) ♦
LIN 400 Current Trends in Information Studies (3 credits)
LIN 496 Senior Capstone (3 credits) ♦
LIN 175 Information Literacy - SB (3 credits)
LIN 414 Advanced Information Literacy Skills (3 credits) ♦
BIS 101 Fundamentals of Business Computing (3 credits)
INF 110 Introduction to Application Development (3 credits)
BIS 300 Management Information Systems (3 credits) ♦

Select three courses from the following (9 credits)

CIT 247 Networking Fundamentals (3 credits) ♦
INF 284 Introduction to Computer Networks (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦
LIN 101 Career Paths for Information Professions (3 credits)
LIN 305 Government Information (3 credits)
LIN 394 Topics (3 credits)
LIN 405 Intellectual Property and Information Rights (3 credits) ♦
LIN 410 Library Programs for Children (3 credits)
LIN 420 Management in Library and Information Centers (3 credits) ♦
LIN 499 Independent Study: Library Informatics (1-3 credits) ♦
PHI 310 Information Ethics (3 credits)
JOU 440 Current Topics in Media Ethics (3 credits) ♦

Note:

Students are responsible for meeting all prerequisites set forth by the department offering the course.

Mathematics, B.S.

A major in mathematics can lead to a variety of careers including mathematical and scientific research in areas as different as national security and petroleum exploration; in several business fields such as insurance, banking, and finance; and in professions such as law, teaching, and medicine. The study of mathematics builds a way of thinking that is used to solve a variety of problems that arise in different contexts. That ability to solve problems makes mathematicians a valuable commodity in many occupations. The department offers a Bachelor of Science in mathematics with two tracks. While all mathematics majors complete a common core of courses that ensures the student has a broad knowledge of mathematics, students can follow their interests by choosing from one of two required tracks:

General mathematics is designed for those who want to pair mathematics with interests in other disciplines or for thos who plan to pursue graduate studies.

Secondary Education is designed for those who plan to teach high school mathematics. This track should be completed in conjunction with the coursework required for teacher certification; students should review this coursework

with an advisor in the College of Education and Human Services.

NOTES:

A grade below a *C*- is not applicable to the major.
At least 9 credit hours toward the major must be completed at NKU.
A student majoring in mathematics and seeking a focus in statistics must complete four additional 300- or 400-level STA courses not used to satisfy the mathematics major.
Any substitutions in these programs must be made in consultation with the chair of the department.
♦ Indicates prerequisite.

DEGREE REQUIREMENTS (44-45 CREDITS)

Core Courses (22 credits)

MAT 129 Calculus I - QR (4 credits) ♦ AND
MAT 229 Calculus II (5 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦ AND
MAT 227 Calculus B (3 credits) ♦ AND
MAT 228 Calculus C (3 credits) ♦

MAT 234 Linear Algebra (3 credits) ♦
MAT 302 Introduction to Higher Mathematics (3 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 393 Career Explorations in Mathematics (1 credits) ♦
OR
EDU 311 Admission Field Experience Secondary (2 credits) ♦
MAT 489 Comprehensive Examination (0 Credits) ♦
STA 250 Probability and Statistics I (3 credits) ♦

Core Courses in Other Disciplines (3 credits)

CSC 270 Mathematics Software Programming (3 credits) ♦
OR
CSC 260 Object-Oriented Programming I (3 credits) ♦

GENERAL MATHEMATICS TRACK (18 CREDITS)

Select two courses, one from each of the following groups:

Group A
MAT 310 Elementary Theory of Numbers (3 credits) ♦
OR
MAT 410 Group Theory (3 credits) ♦
OR
MAT 415 Rings and Fields (3 credits) ♦

Group B
MAT 360 Numerical Analysis (3 credits) ♦
OR
MAT 420 Real Variables I (3 credits) ♦
OR
MAT 430 Complex Variables (3 credits) ♦

Select 12 hours of additional MAT/STA electives at the 300 level or above. At least 6 of these hours must be MAT courses.

TOTAL CREDITS 44

SECONDARY EDUCATION TRACK (18 CREDITS)

This track is only available to students receiving a double major in Secondary Education.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

Take both of the following:
STA 341 Statistics II (3 credits) ♦
MAT 345 Introduction to Higher Geometry (3 credits) ♦

Select two of the following:
MAT 310 Elementary Theory of Numbers (3 credits) ♦
MAT 410 Group Theory (3 credits) ♦
MAT 415 Rings and Fields (3 credits) ♦

Select one of the following:
MAT 360 Numerical Analysis (3 credits) ♦
MAT 420 Real Variables I (3 credits) ♦
MAT 430 Complex Variables (3 credits) ♦

Select 3 additional hours of MAT/STA electives at the 300 level or above.

Mechanical and Manufacturing Engineering Technology, B.S.

The accredited Bachelor of Science in mechanical and manufacturing engineering technology focuses on the design and development of parts, processes, and systems. Under this program graduates will acquire knowledge, problem-solving ability, and hands-on skills to enter careers in the design, installation, manufacturing, testing, evaluation, technical sales, or maintenance of mechanical systems. In addition, graduates will have strengths in the analysis, applied design, development, implementation, or oversight of more advanced mechanical systems and processes.

This bachelor's degree program is designed to provide students with the knowledge and skills needed to succeed as engineers in today's industry. Students are required to take cooperative education ("co-op") in industry starting with their second year, which often continues and leads to full-time employment. Together with the study of engineering principles, design is the cornerstone of the mechanical and manufacturing engineering technology degree program.

The MMET program is accredited by the Engineering Technology Accreditation Commission of ABET (http://www.abet.org).

A minor is not required for the Bachelor of Science degree in MMET. Also, students in this degree program are not eligible to apply for the Automated Manufacturing Processes and Systems Certificate, the Manufacturing Processes Certificate, nor the Computer-Aided Design/Drafting (CADD) Certificate. They may not apply for the Advanced Technology Minor, nor for the Industrial Technology Minor.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (95 CREDITS)

Core Courses (61 credits)

EGT 116 Introduction to Manufacturing (3credits)
EGT 162 Industrial Electricity (3 credits) ♦
EGT 211 Quality Control (3 credits) ♦
EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 260 Industrial Standards, Safety, and Codes (3 credits)
EGT 261 Engineering Materials (3 credits) ♦
EGT 265 Manufacturing Processes and Metrology (3 credits) ♦
EGT 267 Programming for Engineering Applications (3 credits) ♦
EGT 300 Statics and Strength of Materials (3 credits) ♦
EGT 301 Cooperative Education in Engineering Technology (3 credits) ♦
EGT 310 Project Management and Problem Solving (3 credits) ♦
EGT 320 Robotic Systems and Material Handling (3 credits) ♦
EGT 340 Applied Dynamics (3 credits) ♦
EGT 361 Fluid Power (3 credits) ♦
EGT 365 CNC & Manufacturing Process Planning (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
EGT 405 Metrology and Geometric Tolerancing (3 credits) ♦
EGT 416 Capstone I (1 Credit) ♦
EGT 417 Capstone II (3 credits) ♦
EGT 450 Thermodynamics and Heat Transfer (3 credits) ♦
EGT 480 Machine Design (3 credits) ♦

Select three courses from the following (9 credits)

EGT 280 Introduction to Microtechnology (3 credits) ♦
EGT 318 Introduction to Nanotechnology (3 credits) ♦
EGT 321 Productivity Management, Scheduling, and Planning (3 credits) ♦
EGT 362 Tool Design and Computer Aided Manufacturing (3 credits) ♦
EGT 394 Special Topics (1-3 credits) ♦ - *May be taken for repeated elective credit as topics vary.*
EGT 411 Quality Assurance and Auditing (3 credits) ♦
EGT 412 Advanced CADD (3 credits) ♦
EGT 423 Planning and Design of Industrial Facilities (3 credits) ♦
EGT 462 Finite Element Modeling (3 credits) ♦
EGT 465 Automated Manufacturing Systems (3 credits) ♦

Core Courses in Other Disciplines (25 credits)

CHE 130 Chemistry: An Engineering Approach - NS (3 credits) ♦
CHE 130L Chemistry: An Engineering Approach Lab - SL (1 credit) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦
SOC 100 Introduction to Sociology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦

OPTIONAL CONCENTRATIONS

Students interested in ASQ or SME certificate preparation should take EGT 321, EGT 341, and EGT 411.
Students interested in systems and controls courses should take EGT 386 and EGT 260.
Students interested in ISO standards should take EGT 260 and EGT 405.

Mechatronics Engineering Technology, B.S.

Bachelor of Science in mechatronics engineering technology provides graduates real-world experiential education combined with personalized undergraduate experiences in mechanical, electrical, and computer control systems, as well as engineering design and management. The core courses include both mechanical and electrical fundamentals, principles and design concepts with a focus on materials handling systems, automation and manufacturing systems, embedded systems design, and industrial robotic.

This bachelor's degree program is designed to provide students with the knowledge and skills needed to succeed in today's highly integrated computer controlled manufacturing. Throughout their curriculum, students are required to take cooperative education ("co-op") in industry in their second or third year of the program, which often continues and leads to full-time employment. Graduates with a rigorous theoretical education and multidisciplinary technical skills are well prepared for engineering and technology positions in applied design, development, implementation, or oversight and maintenance of electromechanical systems and processes.

Students are required to complete the core plus one track. A minor is not required. Students in this degree program are not eligible to apply for the Advanced Technology Minor, nor for the Industrial Technology Minor.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (95 CREDITS)

Core Courses in Mechatronics Engineering Technology (52 credits)

EGT 116 Introduction to Manufacturing (3credits)

EGT 161 DC Circuit Analysis (3 credits) ♦
EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 243 AC Circuit Analysis (3 credits) ♦
EGT 245 Digital Electronics (3 credits) ♦
EGT 261 Engineering Materials (3 credits) ♦
EGT 267 Programming for Engineering Applications (3 credits) ♦
EGT 300 Statics and Strength of Materials (3 credits) ♦
EGT 301 Cooperative Education in Engineering Technology (3 credits) ♦
EGT 310 Project Management and Problem Solving (3 credits) ♦
EGT 340 Applied Dynamics (3 credits) ♦
EGT 361 Fluid Power (3 credits) ♦
EGT 367 Microprocessors (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
EGT 402 Control Systems (3 credits) ♦
EGT 408 Mechatronic Systems (3 credits) ♦
EGT 416 Capstone I (1 Credit) ♦
EGT 417 Capstone II (3 credits) ♦

Support Courses in Other Disciplines (25)

CHE 130 Chemistry: An Engineering Approach - NS (3 credits) ♦
CHE 130L Chemistry: An Engineering Approach Lab - SL (1 credit) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦
SOC 100 Introduction to Sociology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦

SELECT ONE TRACK PLUS ELECTIVE EGT COURSES

For more information regarding EMET courses from Cincinnati State Technical and Community College (CSTCC), click here.

AUTOMATED SYSTEMS TRACK (18 CREDITS)

EGT 265 Manufacturing Processes and Metrology (3 credits) ♦
EGT 320 Robotic Systems and Material Handling (3 credits) ♦
EGT 365 CNC & Manufacturing Process Planning (3 credits) ♦
EGT 465 Automated Manufacturing Systems (3 credits) ♦
EGT 480 Machine Design (3 credits) ♦
Select 1 additional course of EGT or EMET(*) courses (3 credits)

TOTAL CREDITS 91

ALTERNATIVE ENERGY TRACK (18 CREDITS)

PSET 140* Power Systems Foundations (1 credit)
EMET 150* Introduction to Controls and Robotics (2 credits)
EMET 210* Energy Efficiency and Audits (3 credits)
EMET 225* Solar and Renewable Energy (3 credits)
EGT 450 Thermodynamics and Heat Transfer (3 credits) ♦
Select 2 additional courses of EGT and/or EMET(*) courses (6 credits)

TOTAL CREDITS 91

LASER TECHNOLOGY TRACK (18 CREDITS)

EGT 293* Laser 1 (3 credits)
EGT 395* Laser 2 (3 credits)
EGT 294* Electric Drive Mechanisms (4 credits)
EGT 151* Introduction to Controls and Robotics (2 credits)
Select 2 additional EGT and/or EMET(*) courses (6 credits)

TOTAL CREDITS 91

COMPUTER SCIENCE TRACK (18 CREDITS)

CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 362 Computer Systems (3 credits) ♦
CSC 407 Concepts of Programming Languages (3 credits) ♦
CSC 462 Computer Architecture (3 credits) ♦
INF 120 Elementary Programming - NS (3 credits) ♦

TOTAL CREDITS 91

Neuroscience, B.S.

Email Address: curranc1@nku.edu

Program Director: Christine Curran, Department of Biological Sciences

Other Faculty:

Mark Bardgett, Department of Psychological Science; Ty Brumback, Department of Psychological Sciences; Rudy Garns, Department of Sociology, Anthropology, and Philosophy; Kevin Kirby, Department of Computer Science; Cecile Marczinski, Department of Psychological Science; Brittany Smith, Department of Psychological Sciences; Monica Wakefield, Department of Sociology, Anthropology, and Philosophy; Lindsey Walters, Department of Biological Sciences; Lauren Williamson, Department of Biological Sciences; Justin Yates, Department of Psychological Science

The bachelor's degree in Neuroscience will allow students to gain a rich, transdisciplinary understanding of how behavior and cognition can be explained from a biological perspective and gain familiarity with the computational tools used to analyze complex behavioral data. This understanding will include considerations of nervous system function that range from the genetic to the computational to the philosophical. Academic departments participating in this program include: Biological Sciences; Chemistry & Biochemistry; Computer Science; Mathematics & Statistics, Psychological Science; and Sociology, Anthropology & Philosophy. Students in the neuroscience major will engage in educational and experiential learning activities that will prepare them for careers in many fieldsbiomedical research, health professions, psychological science, counseling/social work and computational neuroscience. Students may select pathways that prepare them for job placement immediately upon graduation or

graduate/professional studies in neuroscience or one of the disciplines included in the neuroscience major.

Note: The neuroscience major does not require a secondary area of study (e.g. minor or focus).

Graduation requirements: Students must complete 120 semester credit hours with the last 30 hours completed at NKU. Students must earn a C- or higher in all core courses, a cumulative 2.0 GPA in their core courses, and a cumulative 2.0 GPA in their track courses. Students must complete an experiential learning project and the final report associated with that project.

♦ Indicates prerequisite

INTRODUCTORY CORE (25 CREDITS)

Pre-requisites for upper-division major core.

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
OR
STA 250 Probability and Statistics I (3 credits) ♦

INF 120 Elementary Programming - NS (3 credits) ♦
PSY 100 Introduction to Psychology - SB (3 credits)
NEU 101 Neuroscience for Life: Sex to Society - SB (3 credits)

BIO 155 Orientation to Biology (1 credit) ♦
OR
PSY 210R Career Planning for Psychology Majors (1 credit)
OR
DSC 101 Introduction to Data Science (1 credit)

MAJOR CORE (33-35 CREDITS)

BIO 291W Advanced Writing in Biology - WC (3 credits) ♦
PSY 311 Biopsychology (3 credits) ♦

PSY 311L Biopsychology Laboratory (2 credits) ♦
OR
PSY 338L Cognitive Processes Laboratory (2 credits) ♦

NEU 493 Neuroscience Seminar (1 credit) ♦

ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
OR
PSY 210 Research Methods and Lab (5 credits) ♦

BIO 440 Animal Behavior (4 credits) ♦ and
BIO 440L Animal Behavior Laboratory (0 credits)
OR
BIO 402 Evolutionary Neurobiology (4 credits) ♦ and
BIO 402L Evolutionary Neurobiology Laboratory (0 credits)
OR
NEU 401 Brain, Behavior and Immunity (4 credits) and
NEU 401L Brain, Behavior and Immunity Lab (0 credits) ♦

PHI 300 Ethics and Social Responsibility (3 credits) ♦
OR
PHI 302 Ethics and Scientific Research (3 credits) ♦
OR
PHI 306 Philosophy and Science (3 credits) ♦
OR
PHI 315 Knowledge and Reality (3 credits) ♦
OR
PHI 340 Neuroethics (3 credits) ♦
OR
PHI 345 Philosophy of Mind (3 credits) ♦

NEU 301 Neuroanatomy (4 credits) ♦ and
NEU 301L Neuroanatomy Laboratory (0 credits) ♦
OR
NEU 302 Neurosignaling (4 credits) ♦ and
NEU 302L Neurosignaling Laboratory (0 credits) ♦

PSY 338 Cognitive Processes (3 credits) ♦
OR
PSY 421 Psychopharmacology (3 credits) ♦

NEU 491 Neuroscience Capstone (0 credits) ♦

NEU 492 Neuroscience Research (1-3 credits) ♦
OR
NEU 495 Neuroscience Study Abroad (1-3 credits) ♦
OR
NEU 496 Neuroscience Internship (1-3 credits) ♦
OR
NEU 499 Independent Study in Neuroscience (1-3 credits) ♦

SELECT ONE OF THE FOLLOWING TRACKS (16 CREDITS)

Cognitive Neuroscience Track

Take a minimum of 15 credits in at least three different disciplines with at least 12 credits at the 300-level or above.

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
BIO 305 Developmental Biology (4 credits) ♦
BIO 305L Developmental Biology Laboratory (0 credits)

BIO 342 Biometry (3 credits) ♦
BIO 349 Genetics (4 credits) ♦
BIO 349L Genetics Laboratory (0 credits)
BIO 400 Advanced Molecular Biology (4 credits) ♦
BIO 400L Advanced Molecular Biology Laboratory (0 credits)
BIO 402 Evolutionary Neurobiology (4 credits) ♦
BIO 402L Evolutionary Neurobiology Laboratory (0 credits)
BIO 407 Ornithology (4 credits) ♦
BIO 407L Ornithology Laboratory (0 credits)
BIO 425 Advanced Human Anatomy and Physiology I (4 credits) ♦
BIO 425L Adv. Human Anatomy and Physiology I Lab (0 credits)
BIO 436 Advanced Biology of the Cell (3 credits) ♦
BIO 440 Animal Behavior (4 credits) ♦
BIO 440L Animal Behavior Laboratory (0 credits)
BIO 467 Endocrinology (3 credits) ♦
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
NEU 301 Neuroanatomy (4 credits) ♦
NEU 301L Neuroanatomy Laboratory (0 credits) ♦
NEU 302 Neurosignaling (4 credits) ♦
NEU 302L Neurosignaling Laboratory (0 credits) ♦
NEU 401 Brain, Behavior and Immunity (4 credits)
NEU 401L Brain, Behavior and Immunity Lab (0 credits) ♦
NEU 494 Special Topics in Neuroscience (3 credits) ♦
PHI 265 Logic - QR (3 credits) ♦
PHI 340 Neuroethics (3 credits) ♦
PSY 210 Research Methods and Lab (5 credits) ♦
PSY 301 Evolutionary Psychology (3 credits) ♦
PSY 305 Psychological Tests & Measures (3 credits) ♦
PSY 309 Psychology of Perception (3 credits) ♦
PSY 321 Lifespan Development (3 credits) ♦
PSY 321L Developmental Science Laboratory (2 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦
PSY 337 Animal Learning (3 credits) ♦
PSY 338 Cognitive Processes (3 credits) ♦
PSY 338L Cognitive Processes Laboratory (2 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
PSY 340L Social Psychology Laboratory (2 credits) ♦
PSY 421 Psychopharmacology (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
PSY 465L Clinical Health Psychology Laboratory (2 credits) ♦

Social Neuroscience Track

Take a minimum of 15 credits from at least three disciplines and at least 12 credits at the 300 level or above.

ANT 202 Biological Anthropology - NS (4 credits)
ANT 275 Language and Culture (3 credits)
ANT 333 Paleoanthropology Laboratory (3 credits) ♦
ANT 334 Behavioral Field Methods (3 credits) ♦
ANT 340 Ethnographic Methods and Research (3 credits) ♦
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
ANT 347 Primate Behavioral Ecology (3 Credits)
ANT 348 Primate Sexuality (3 Credits) ♦
ANT 371 Psychological Anthropology (3 credits) ♦
NEU 301 Neuroanatomy (4 credits) ♦
NEU 301L Neuroanatomy Laboratory (0 credits) ♦
NEU 302 Neurosignaling (4 credits) ♦
NEU 302L Neurosignaling Laboratory (0 credits) ♦
PHI 306 Philosophy and Science (3 credits) ♦
PHI 315 Knowledge and Reality (3 credits) ♦
PHI 340 Neuroethics (3 credits) ♦
PSY 304 Consumer Psychology (3 credits) ♦
PSY 315 Psychology of Human Sexuality (3 credits) ♦
PSY 321 Lifespan Development (3 credits) ♦
PSY 321L Developmental Science Laboratory (2 credits) ♦
PSY 330 Behavior Modification (3 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
PSY 340L Social Psychology Laboratory (2 credits) ♦
PSY 405 Counseling Psychology (3 credits) ♦
PSY 421 Psychopharmacology (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
PSY 465L Clinical Health Psychology Laboratory (2 credits) ♦
SOC 303 Social Psychology (3 credits)
SOC 320 Social Research (3 credits) ♦
SOC 322 Qualitative Research Methods (3 credits) ♦
SOC 332 Collective Behavior and Social Movements (3 credits)

Computational Neuroscience Track

Take a minimum of 15 credits in at least three disciplines and at least 12 credits at the 300-level or above.

ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
BIO 342 Biometry (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 260L Object-Oriented Programming Laboratory (1 credit)
CSC 270 Mathematics Software Programming (3 credits) ♦
CSC 325 Introduction to Machine Learning (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 364 Data Structures and Algorithms (3 credits) ♦
CSC 425 Artificial Intelligence (3 credits) ♦
DSC 200 Data Wrangling (3 credits) ♦
DSC 311 Data Analytics and Visualization (3 credits) ♦

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

NEU 494 Special Topics in Neuroscience (3 credits) ♦

PHI 265 Logic - QR (3 credits) ♦
OR
PHI 340 Neuroethics (3 credits) ♦
OR
PHI 345 Philosophy of Mind (3 credits) ♦

PSY 210 Research Methods and Lab (5 credits) ♦
PSY 305 Psychological Tests & Measures (3 credits) ♦

SOC 322 Qualitative Research Methods (3 credits) ♦
STA 314 Design and Analysis of Experiments (3 credits) ♦
STA 316 Regression Analysis (3 credits) ♦
STA 327 Categorical Data Analysis (3 credits) ♦
STA 360 Statistical Computing (3 credits) ♦

Physics, B.S.

The Bachelor of Science in physics is designed for those who plan to study physics in graduate school, who wish to pursue another technical field at the graduate level, or who wish to pursue a technical career in industry. The degree requires 52 credit hours in physics or astronomy courses (plus 24 hours of additional required courses in related fields). General graduation requirements include 45 hours of 300- or 400-level courses, so students seeking the Bachelor of Science in physics need to take at least four hours of 300- or 400-level courses in addition to the courses required for the degree. Students should choose these courses in consultation with their advisor, but additional elective courses in physics, computer science, or mathematics are highly recommended. A minor in mathematics is recommended for students seeking the Bachelor of Science in physics. This will require 2 3-credit-hour courses beyond those required for the physics degree. Suggested courses include " MAT 234 Linear Algebra (3 credits)," " MAT 360 Numerical Analysis (3 credits)," and " MAT 430 Complex Variables (3 credits)." The computing course " CSC 270 Mathematics Software Programming (3 credits)" can also be included in a mathematics minor.

NOTE: A student successfully completing " MAT 330 Partial Differential Equations (3 credits)," which is cross-listed as " PHY 330 Mathematical Physics (3 credits)" receives credit toward the physics major and the minor in mathematics.

A student pursing a B.S. in Physics has to complete a minor or a focus.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (76 CREDITS)

Core Courses (52 credits)

PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ *
PHY 222 University Physics with Laboratory II (4 credits) ♦ *
PHY 224 University Physics with Laboratory III (4 credits) ♦ *
PHY 300 Intermediate Physics Laboratory (2 credits)
PHY 301 Advanced Physics Laboratory (2 credits) ♦
PHY 310 Dynamics (3 credits) ♦
PHY 320 Physical Optics (3 credits) ♦
PHY 330 Mathematical Physics (3 credits) ♦
PHY 360 Thermodynamics (3 credits) ♦
PHY 361 Modern Physics I (3 credits) ♦ *
PHY 393 Physics Seminar (1 credit) ♦
PHY 405 Classical Mechanics (3 Credits) ♦
PHY 410 Electromagnetic Theory (4 credits) ♦
PHY 420 Modern Physics II (3 credits) ♦
PHY 460 Quantum Mechanics (3 credits) ♦

Select two 300/400-level PHY or AST course (6 credits)

Courses in Other Disciplines (24 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
MAT 129 Calculus I - QR (4 credits) ♦ **
MAT 229 Calculus II (5 credits) ♦ **
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦

Note:

*A *C*- or better is required to proceed to the next-level physics course.

**" MAT 128 Calculus A - QR (3 credits)," " MAT 227 Calculus B (3 credits)," and " MAT 228 Calculus C (3 credits)" can be taken instead of "MAT 129 Calculus I - QR (4 credits)" and " MAT 229 Calculus II (5 credits)."

Psychological Science, B.S.

Special graduation requirements:

To graduate, students majoring in psychological science must have a grade of C- or better in all courses applied toward certification of the major, minor, or area of focus, as well as an overall 2.00 GPA in the discipline. This includes courses listed below for tracks A and B on each of the two degree programs.
Psychological science majors are required to participate in a standardized assessment test given by the department prior to graduating. This is in addition to the university's graduation requirements.
Transfer students must complete at least half of their required coursework in psychological science at NKU.

PSYCHOLOGICAL SCIENCE MAJOR

The psychological science major is designed to provide students with flexibility in the selection of courses to meet their individual interests and career goals. Students must meet with a psychological science faculty advisor during the first semester following the declaration of psychological science as their major to design a program of coursework based on their individual needs. All students must meet with a faculty advisor in subsequent semesters for assistance in career planning and course selections to meet degree requirements. For students planning to pursue graduate study in psychology, the department strongly recommends a broad and balanced program of applied and theoretical courses with careful planning to meet the requirements for admission to graduate schools in psychology. In addition, such students are encouraged to take more than the minimum number of required courses, including advanced courses that involve the opportunity for independent or supervised research. The department offers a variety of special topics (PSY 494) classes. Recent topics have

included "Drug Policy," "Psychology of Religion," and "Psychology of Money." Students should consult the schedule of classes each semester for information about available special topics classes.

All psychological science majors must complete the requirements listed below for the major plus the additional credit hours required for either the Bachelor of Arts or the Bachelor of Science degree.

Degree Requirements (46 credits)

Core Courses (46 credits)

PSY 100 Introduction to Psychology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

PSY 210 Research Methods and Lab (5 credits) ♦
OR
PSY 211 Research Methods A (3 credits) ♦
AND
PSY 212 Research Methods B (2 credits) ♦

PSY 210R Career Planning for Psychology Majors (1 credit)
PSY 305 Psychological Tests & Measures (3 credits) ♦
PSY 311 Biopsychology (3 credits) ♦
PSY 321 Lifespan Development (3 credits) ♦
PSY 337 Animal Learning (3 credits) ♦
PSY 338 Cognitive Processes (3 credits) ♦
PSY 340 Social Psychology (3 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦

Elective (13 credits)

Select five PSY courses (must total at least 13 credit hours). At least three of these courses must be at the 300 or 400 level. Optional two-credit-hour laboratory classes also may be included in this category.

ADDITIONAL REQUIREMENTS (7-8 CREDITS)

Students who wish to complete the requirements for the Bachelor of Science in psychological science must complete either track A or B listed below:

Track A (7 credits)

Select one (3 credits)

College-level MAT/STA course at the 100-level or above, in addition to STA 205
PSY 410 Advanced Research Methods in Psychology (3 credits) ♦
INF 120 Elementary Programming - NS (3 credits) ♦
INF 282 Introduction to Databases (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 325 Introduction to Machine Learning (3 credits) ♦

Select two courses from the following (4 credits)

PSY 311L Biopsychology Laboratory (2 credits) ♦
PSY 321L Developmental Science Laboratory (2 credits) ♦
PSY 338L Cognitive Processes Laboratory (2 credits) ♦
PSY 340L Social Psychology Laboratory (2 credits) ♦
PSY 465L Clinical Health Psychology Laboratory (2 credits) ♦

Note:

Laboratory classes may be taken at the same time as the core class or at a later time, but students must complete " PSY 210 Research Methods and Lab (5 credits)" to take a laboratory. The laboratory classes listed here may also count as elective classes toward the major requirements.

Track B (8 credits)

Select 2 (6 credits total)

300/400/500-level Statistics
PSY 410
PSY 410 Advanced Research Methods in Psychology (3 credits) ♦
INF 120 Elementary Programming - NS (3 credits) ♦
INF 282 Introduction to Databases (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 325 Introduction to Machine Learning (3 credits) ♦

Select one course from the following (2 credits)

PSY 311L Biopsychology Laboratory (2 credits) ♦
PSY 321L Developmental Science Laboratory (2 credits) ♦
PSY 338L Cognitive Processes Laboratory (2 credits) ♦
PSY 340L Social Psychology Laboratory (2 credits) ♦
PSY 465L Clinical Health Psychology Laboratory (2 credits) ♦

Note:

Laboratory classes may be taken at the same time as the core class or at a later time, but students must complete " PSY 210 Research Methods and Lab (5 credits)" to take a laboratory. The laboratory classes listed here may also count as elective classes toward the major requirements.

TOTAL CREDITS 53-54

Radiation Therapy, B.S.

The Bachelor of Science in Radiation Therapy at NKU provides students the opportunity to enter into a rapidly advancing healthcare field that uses state-of-the-art equipment and offers a fulfilling and promising future. The radiation therapy program is pending JRCERT accreditation.

Radiation therapists are healthcare professionals who administer highly focused forms of radiation to treat cancer and other diseases as prescribed by a radiation oncologist according to established practices and standards. Duties include reviewing prescription and diagnosis; acting as a liaison with the physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; Irradiating and imaging patients; and maintaining records, reports, and files.

Special admission requirements: Due to the limited number of clinical placements and the competitive and appealing nature of the program, the radiation therapy program has a selective admission process. **The annual application deadline is February 15 for the class that will begin in July of that year.**

Students are admitted into the professional portion of the program (Years 2, 3, 4) through a selective admission process. Students with the highest ranking based on the following criteria are accepted into the professional portion.

A minimum 2.8 GPA in all college work attempted, based on a 4.0 scale in the last 30 hours.

Satisfactory completion of the following courses with a grade of C *or better* **for each course:**

- BIO 208/BIO 208L : Human Anatomy and Physiology
- PHY 110: Introduction to Physics with Laboratory
- MAT 119 or MAT 129: Pre-Calculus or Calculus
- ENG 101 and BIO 209/BIO 209L can be in progress at the time of application.
- Shadowing is highly recommended.

Additional points are earned in the selection process for:

Current student or alumni of NKU
Health care experience
Shadowing experience in Radiation Oncology
Previous application to Radiation Therapy

Student criminal background check: Healthcare agencies are charged with providing care and protecting the safety of vulnerable populations including children and the aged. Agencies used for clinical placement require students to undergo criminal background checks and may deny clinical access to those convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the College of Health and Human Services. Students admitted to the radiologic science program are required to submit to criminal background checks as identified by the College of Health and Human Services. Failure of the background check will result in the inability to be placed at a clinical site and subsequent dismissal from the program.

The student is responsible for notifying the College of Health and Human Services of any change in the status of this record. Note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment.

Admissions requirements were missing

Education for the radiation therapy student is an integrated plan of classroom, laboratory, and clinical education. In addition to regular classroom coursework, students spend an average of 20 hours per week practicing their skills at an area clinical site.

♦ Indicates prerequisite

SELECTIVE ADMISSION COURSES (18 CREDITS)

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
PHY 110 Introduction to Physics with Laboratory - SL (4 credits) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦

MAT 119 Pre-Calculus Mathematics (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦

BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)

COURSES IN RADIATION THERAPY (57 CREDITS)

RTT 200 Introduction to Radiation Therapy (3 credits) ♦
RTT 208 Clinical Oncology I (3 credits) ♦
RTT 209 Clinical Oncology II (3 credits) ♦
RTT 214 Radiation Therapy Simulation Lab (3 credits) ♦
RTT 220 Radiation Physics I (3 credits) ♦
RTT 221 Radiation Physics II (3 credits) ♦
RTT 286 Radiation Therapy Practicum I (3 credits) ♦
RTT 296 Radiation Therapy Practicum II (2 credits) ♦
RTT 308 Clinical Oncology III (3 credits) ♦
RTT 320 Treatment Planning I (3 credits) ♦
RTT 321 Treatment Planning II (3 credits) ♦
RTT 340 Radiation Biology (3 credits) ♦
RTT 341 Radiation Therapy Protection (2 credits) ♦
RTT 376 Radiation Therapy Practicum III (3 credits) ♦
RTT 386 Radiation Therapy Practicum IV (3 credits) ♦
RTT 396 Radiation Therapy Practicum V (2 credits) ♦
RTT 470 Imaging Modalities (3 credits) ♦
RTT 480 Radiation Therapy Capstone (3 credits) ♦
RTT 486 Radiation Therapy Practicum VI (3 credits) ♦
RTT 496 Radiation Therapy Practicum VII (3 credits) ♦

COURSES IN OTHER DISCIPLINES (18 CREDITS)

HIN 355 Foundations of Health Informatics (3 credits)
HSC 413 Aging in Today's Society (3 credits)
HSC 421 Healthcare Research (3 credits) ♦
HSC 440 Issues in Chronic Disease Management (3 credits) ♦
RAD 230 Communication and Patient Care (3 credits) ♦
RAD 310 Advanced Imaging Sectional Anatomy (3 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦

STA 205R Statistical Methods with Recitation - QR (3 credits)

TOTAL CREDITS 96

Radiologic Science, B.S.

The Bachelor of Science in Radiologic Science at NKU provides students the opportunity to enter into a rapidly advancing field full of cutting-edge scientific progress using state-of-the-art equipment in a growing profession that offers a fulfilling and promising future.

The radiologic science program is fully accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Radiologic technologists (or radiographers) are healthcare professionals who create medical images of the body to help healthcare providers diagnose and treat illness and injury. NKU prepares students in the diagnostic field of radiologic technology. This area of professional practice involves the use of radiation to provide images for examination of the tissues, organs, bones, and vessels of the body.

Crucial to successful interpretation, the radiologic technologist is responsible for accurately and properly: preparing the patient for radiologic examinations; positioning the patient for radiologic examination; selecting the amount of X-ray exposure; processing the images; evaluating the image quality; and assisting the radiologist during fluoroscopic procedures.

Education for the radiography student is an integrated plan of classroom, laboratory, and clinical education. In addition to regular classroom coursework, students spend an average of 20 hours per week practicing their skills at an area clinical site.

Affiliated hospitals in the northern Kentucky/Greater Cincinnati area include: St. Elizabeth Healthcare - Covington, Edgewood, Fort Thomas, Florence, and Grant County (Kentucky.); Highpoint Health (Lawrenceburg, Indiana); The Jewish Hospital - Kenwood (Cincinnati); Mercy Hospital Anderson (Cincinnati); and Mercy Hospital Clermont (Batavia, Ohio).

Special admission requirements: Due to the limited number of clinical placements and the competitive and appealing nature of the program, the radiologic science program has a selective admission process. **The annual application deadline is February 15 for the class that will begin in July of that year.**

The radiologic science admission committee determines academic eligibility and ranks the applicants. Approximately 24 students are accepted each year. The program does NOT maintain a waiting list that carries over from one year to the next; however, a small number of other candidates meeting the admission criteria may be placed on a waiting list in case vacancies occur prior to the beginning of " RAD 200 Introduction to Radiography (6 credits)."

To be considered for admission into the radiologic science program, students must meet the following requirements:

Satisfactory completion of the following courses with a grade of *C* or better in each course:
- BIO 208 Human Anatomy and Physiology I - NS (4 credits) and BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits).
- PHY 110 Introduction to Physics with Laboratory - SL (4 credits) or CHE 115 with Laboratory.
- ENG 101 Writing for College and Beyond - WC (3 credits).
- Mathematics general education course (STA 205 or STA 205R required for program completion).

A minimum GPA of 2.5 in all college work attempted, based on a 4.00 scale.

Admission into the radiologic science program is completely objective and is based on academic screening. Applicants are awarded points based on the following:

- Overall GPA based on the applicant's most recent 45 credit hours.
- Grades earned in prerequisite courses and program requirements.
- Total number of credit hours earned.
- Related healthcare experience (paid or volunteer) or completion of HSC 101.

Students attending NKU will be awarded bonus points in the application process.

Conditional acceptance into the program can be given to students enrolled in any of the prerequisite courses by the priority application date of **February 15**. Successful completion of these courses with a grade of *C* or better must be documented at the end of the term for final program admission.

Student criminal background check: Healthcare agencies are charged with providing care and protecting the safety of vulnerable populations including children and the aged. Agencies used for clinical placement require students to undergo criminal background checks and may deny clinical access to those convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the College of Health and Human Services. Students admitted to the radiologic science program are required to submit to criminal background checks as identified by the College of Health and Human Services. Failure of the background check will result in the inability to be placed at a clinical site and subsequent dismissal from the program.

The student is responsible for notifying the College of Health and Human Services of any change in the status of this record. Note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment.

You should also know: The radiologic science program is a full-time, daytime program. During the course of the program, students will complete a limited number of evening shift clinical assignments.

The schedule for the week is full with classes and clinical assignments as well as out-of-class/clinical assignments. The time frame is demanding, and any work outside of the program needs to be both flexible and limited in hours per week in order for the student to be successful.

Candidates eligible for the radiologic science program must be able to meet the following technical standards. These standards specify the skills necessary for successful completion of the program and

subsequent employment as a radiologic technologist (radiographer).

Sufficient visual acuity to:

- Assess skin tone changes detectable in cyanotic or flushed skin.
- Detect color shades/tones such as shades of gray seen on radiographs.
- Evaluate radiographs for quality
- Read printed words in textbooks and on medical equipment

Sufficient hearing to:

- Communicate with patients and other members of the healthcare team.
- Monitor patients via audio monitors.
- Hear background sounds during equipment operations.
- Respond to the audible sounds of the equipment.

Sufficient gross and fine motor coordination to:

- Manipulate equipment and accessories.
- Lift a minimum of 30 pounds.
- Stoop, bend, or promptly assist patients who become unstable.

Satisfactory physical strength and endurance to:

- Move immobile patients to or from a stretcher or wheelchair to the X-ray table.
- Work with arms extended overhead (approximately 80" from the floor).
- Carry 30 pounds while walking.
- Stand in place for long periods of time.

Satisfactory verbal, reading, and writing skills to:

- Explain radiologic procedures.
- Direct patients during radiologic procedures.
- Communicate in English for effective and prompt interaction with patients, fellow students, faculty, and hospital personnel.

Satisfactory intellectual and emotional functions to:

- Ensure patient safety.
- Exercise independent judgment and discretion in the performance of assigned responsibilities.
- Measure, calculate, reason, and evaluate as required for direct patient care.
- Handle stressful situations related to procedural standards and patient care situations.

Must be physically free of illegal drugs and alcohol. Drug testing may be required by specific clinical sites at the student's expense. Failure of a drug test may result in program dismissal.

Students with a disability should declare the disability and provide verification to the Office of Student Accessibility so that reasonable accommodations can be made.

Professional advanced standing is available for students who (1) have graduated from an accredited postsecondary vocational or hospital-based program in radiologic technology and (2) have passed the American Registry of Radiologic Technologists national examination. These students will be awarded up to 51 hours toward completion of NKU professional course requirements in radiologic science. Students admitted into the baccalaureate degree program under the advanced standing policy will be held accountable for meeting all prevailing university and program requirements for graduation.

Progression: A student must achieve a grade of at least *C* in each RAD course, as well as in required courses for the major, in order to continue in the program.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (95 CREDITS)

Selective Admission Courses (14 credits)

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

PHY 110 Introduction to Physics with Laboratory - SL (4 credits) ♦
OR
CHE 115 Physiological Chemistry - NS (3 credits) ♦

ENG 101 Writing for College and Beyond - WC (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

Courses in Radiologic Science (65 credits)

RAD 200 Introduction to Radiography (6 credits) ♦
RAD 208 Radiographic Procedures I (3 credits) ♦
RAD 208L Radiographic Positioning Laboratory I (1 credit)
RAD 209 Radiographic Procedures II (3 credits) ♦
RAD 209L Radiographic Positioning Laboratory II (1 credit)
RAD 214 Analysis of Radiographic Quality (3 credits) ♦
RAD 214L Analysis Radiographic Quality Laboratory (1 credit) ♦
RAD 216 Physical Principles of Radiographic Equipment (3 credits) ♦
RAD 230 Communication and Patient Care (3 credits) ♦
RAD 286 Radiographic Practicum I (3 credits) ♦
RAD 296 Radiographic Practicum II (3 credits) ♦
RAD 307L Advanced Radiography Lab (1 credit) ♦
RAD 308 Radiographic Procedures III (3 credits) ♦
RAD 309 Radiographic Procedures IV (2 credits) ♦
RAD 310 Advanced Imaging Sectional Anatomy (3 credits) ♦
RAD 340 Radiation Biology and Protection (3 credits) ♦
RAD 350 Clinical Pathology for Radiographers (3 credits) ♦
RAD 376 Radiographic Practicum III (2 credits) ♦
RAD 386 Radiographic Practicum IV (3 credits) ♦
RAD 396 Radiographic Practicum V (3 credits) ♦
RAD 470 Principles of Computed Tomography (3 credits) ♦
RAD 480 Radiography Capstone (3 credits) ♦
RAD 486 Radiographic Practicum VI (3 credits)
RAD 496 Radiographic Practicum VII (3 credits) ♦

Courses in Other Disciplines (13 credits)

BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)
HIN 355 Foundations of Health Informatics (3 credits)
HSC 410 Healthcare Management (3 credits) ♦
HSC 421 Healthcare Research (3 credits) ♦
Gen Ed Written Communication II (3 credits)
Gen Ed Cultural Pluralism (3 credits)
Gen Ed Individual and Society (6 credits)
Gen Ed Culture and Creativity (6 credits)
Gen Ed Global Viewpoints (3 credits)

Select one course from the following (3 credits)

CMST 333 Lifespan Communication (3 credits) ♦
CMST 403 Health Communication (3 credits) ♦
HIN 356 Health Information Management (3 credits) ♦
HSC 410 Healthcare Management (3 credits) ♦
HSC 413 Aging in Today's Society (3 credits)
HSC 440 Issues in Chronic Disease Management (3 credits) ♦
HSC 480 Global Perspectives of Health Care (3 credits) ♦
HSC 510 Trends and Cultural Issues in Healthcare (3 credits) ♦
LDR 315 Leading People in Organizations (3 credits) ♦
RAD 460 Principles of Mammography 3 credit hours
RAD 480 Radiography Capstone (3 credits) ♦

Respiratory Care Completion Program, B.S.

The Bachelor of Science Respiratory Care (BSRC) Completion Program is designed to offer students with an Associate in Science (A.S.) or Associate of Applied Science (A.A.S.) degree in Respiratory Care the opportunity to obtain a Bachelor of Science in Respiratory Care from Northern Kentucky University. Below are the admission criteria and the course curriculum.

Admission Criteria:

Applicants must be a graduate of a CoARC accredited program.
Have a GPA of 2.5 on a 4.0 scale for all transferable college work.
Have a current Registered Respiratory Therapist (RRT) credential from the National Board for Respiratory Care (NBRC).
Meet all eligibility requirements for admissions into NKU (refer to current NKU catalog); in addition to the program curriculum, the students must meet the university Foundation of Knowledge requirements.
All academic work must be evaluated by NKU Admissions Office and the Respiratory Care Program Director.

DEGREE REQUIREMENTS (30 CREDITS)

Core Courses

RSP 430 Advanced Pathophysiology (3 credits) ♦
RSP 441 Case Studies in Evidence Based Practice (3 credits) ♦
RSP 445 Health Assessment and Promotion (3 credits)
RSP 460 Advanced Respiratory Critical Care (3 credits) ♦
RSP 484 Accelerated Respiratory Care Capstone (1.5 credits)
HSC 410 Healthcare Management (3 credits) ♦
HSC 421 Healthcare Research (3 credits) ♦
HIN 355 Foundations of Health Informatics (3 credits)
HHS 500 Teaching & Learning in Healthcare Educat (3 credits) ♦

Electives

Must select one

HSC 413 Aging in Today's Society (3 credits)
HSC 480 Global Perspectives of Health Care (3 credits) ♦
HSC 510 Trends and Cultural Issues in Healthcare (3 credits) ♦
LDR 315 Leading People in Organizations (3 credits) ♦

Respiratory Care, B.S.

Respiratory Care is the allied health profession devoted to the diagnosis, treatment, and rehabilitation of patients with diseases of the respiratory system. Respiratory therapists must have a thorough understanding of normal pulmonary anatomy and physiology and of the pathology and treatment of various breathing-related disorders. They work in adult and pediatric hospitals, in some nursing homes, and for a growing number of home-care companies. With the authorization of a healthcare provider, they give aerosolized medications and various special breathing treatments to patients with acute or chronic pulmonary disease. Respiratory therapists are life-support specialists, setting up artificial ventilators for patients of all ages who cannot breathe for themselves. When a cardiac arrest occurs in the hospital, respiratory therapists provide cardiopulmonary resuscitation and manual ventilation. With sophisticated equipment, they measure the effectiveness of breathing and levels of oxygen and carbon dioxide in the blood. Following recognized protocols or authorized orders, they institute therapies to reduce the work of breathing and to improve ventilation and oxygenation.

The professional program is six semesters long. Besides didactic, lab, and clinical training in basic respiratory care, the first professional year includes courses in microbiology and anatomy/physiology. The second professional year focuses on more advanced or specialized modalities of respiratory care. The third professional year includes courses necessary to develop an informed, broadly educated healthcare professional. To provide experience with patients, the program has clinical affiliations with hospitals in the northern Kentucky and Greater Cincinnati area. Successful completion of the program leads to the Bachelor of Science and to eligibility for the Therapist Multiple Choice (TMC) credentialing examinations given by the National Board for Respiratory Care. After passing the TMC exam, the graduate is eligible for a Kentucky Mandatory Certificate, an Ohio Respiratory Care Professional License, or licensure in another state.

Special admission requirements: The respiratory care program admits students each fall through a selective admission process. Once applicants have regular admission to NKU, they will be considered for the professional RSP courses if these criteria are met:

Complete a program application form.
Possess a GPA of 2.30 or higher on previous college coursework, assuming a 4.0 scale.
Completion of CHE 115/CHE 115L (with a *C* or higher).
Completion of general education courses in the "written I" and "oral" parts of the communication category.
Completion of BIO 208/BIO 208L with a grade of *C* or higher.
Completion of STA 205 or STA 205R with a grade of *C* or higher.
Completion of HSC 101 with a grade of *C* or higher.
Successful completion of a criminal background check prior to final acceptance into the program.

Applications completed prior to **February 15** are given priority. Conditional acceptance into the program can be given to students enrolled in any prerequisite course by the priority application date of **February 15**. Successful completion of these courses must be documented at the end of the term for final program admission. Students will be notified of their admission status in writing. Students who want to major in Respiratory Care but do not yet meet the above criteria should declare pre-respiratory care as their major, apply for acceptance into the program, and follow the advice of their Respiratory Care faculty advisor. Many students take prerequisites, general education, and science requirements before starting the professional RSP course sequence. Students must also fulfill the immunization requirements listed on the Respiratory Care program immunization form and described in the Respiratory Care program student handbook before they are given hospital clinical assignments, a required part of the curriculum.

Student criminal background check: Healthcare agencies are charged with providing care and protecting the safety of vulnerable populations including children and the aged. Agencies used for clinical placement require students to undergo criminal background checks and may deny clinical access to those convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the College of Health of Health & Human Services. Applicants are required to submit to criminal background checks as identified by the College of Health & Human Services as part of the application process. The cost of this and any subsequent screening will be borne by the student. The student is responsible for notifying the College of Health & Human Services of any change in the status of this record after starting the program. Note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment. **All students must be physically free of illegal drugs and alcohol. Drug testing may be required by specific clinical sites at the student's expense. Failure of a drug test may result in program dismissal.**

Technical standards: Candidates eligible for the Respiratory Care program must be able to meet the following technical standards. These standards specify skills necessary for successful completion of the program and subsequent employment as a respiratory care practitioner.*

Issue	Standard	Some Examples of Necessary Activities (not all inclusive)
Critical Thinking	Critical thinking ability sufficient for clinical judgment.	Identify cause-effect relationships in clinical situations, develop respiratory care plans.
Communication	Communication abilities sufficient for interaction with others in oral and written forms.	Explain treatment procedures, initiate health teaching, document and interpret therapeutic procedures and patient/client responses.
Interpersonal Skills	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Establish rapport with patients and colleagues from a variety of social, emotional, cultural, and intellectual backgrounds.
Mobility	Physical abilities sufficient to move from room to room and maneuver in small spaces.	Move around in patients' rooms, work spaces, and treatment areas; administer cardiopulmonary procedures.
Motor Skills	Gross and fine motor abilities sufficient to provide safe and effective respiratory care.	Calibrate and use equipment; position patients/clients.
Hearing	Auditory ability sufficient to monitor and assess health needs.	Hear monitor alarms, emergency signals, and auscultatory sounds.
Visual	Visual ability sufficient for observation and assessment necessary in respiratory care.	Observe patient/client responses; able to differentiate color.
Tactile	Tactile ability sufficient for physical assessment.	Perform palpation, functions of physical examination and those related to therapeutic intervention (for example, insertion of a catheter).

**Students with disabilities should declare the disability and provide verification to the Office of Student Accessibility so reasonable accommodations can be made.*

Progression**: A student must achieve a grade of at least *C* in each Respiratory care course, as well as in each science course and required courses for the major, in order to continue in the program.** Accurate knowledge of chemistry and human anatomy and physiology is essential for the effective application of respiratory therapy. For this reason, the required science courses must be taken before or during the semester in which they are listed in the program curriculum. Failure to meet this requirement will result in failure to progress in the program. Science courses older than seven years or with grades lower than *C* will not be recognized as fulfilling program requirements

Assessment of Major: In the sixth term, as part of " RSP 480 Respiratory Care Seminar (3 credits)" students as a group must take the TMC self-assessment examinations from the National Board for Respiratory Care. The examinations (1) give students the opportunity to demonstrate a synthesis of knowledge about respiratory care, (2) help students prepare for the actual TMC examination, and (3) provide group examination performance information for program self-evaluation as required for accreditation.

You should also know: The Respiratory Care program is a full-time, daytime, face-to-face program. The schedule is challenging with classes and clinical activities each day plus out-of-class/clinical assignments. The time frame is demanding, and any work outside of the program needs to be both flexible and limited in hours per week in order for the student to be successful in the Respiratory Care program.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (101 CREDITS)

Selective Admission Courses (20 credits)

CHE 115 Physiological Chemistry - NS (3 credits) ♦
CHE 115L Physiological Chemistry Laboratory - SL (1 credit)
Gen Ed Communication; Written I; ENG 101 Writing for College and Beyond - WC (3 credits)
HSC 101 Introduction to Health Professions (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
Gen Ed Communication; Oral (3 credits)
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

Courses in Respiratory Care (61 credits)

RSP 201 Fundamentals of Respiratory Care (3 credits) ♦
RSP 201L Respiratory Care Equipment and Procedures (1 credit)
RSP 205 Respiratory Care Pharmacology (3 credits)
RSP 220 Intro to Respiratory Critical Care (4 credits) ♦
RSP 235 Respiratory Physiology and Physics (3 credits) ♦
RSP 286 Clinical Practicum I (3 credits)
RSP 296 Clinical Practicum II (3 credits) ♦
RSP 310 Introduction to Mechanical Ventilation (3 credits) ♦
RSP 310L Mechanical Ventilation Lab (1 credits)
RSP 386 Clinical Practicum III (3 credits) ♦
RSP 362 Prenatal-Pediatric Respiratory Care (3 credits) ♦
RSP 331 Cardiopulmonary Diagnostics (3 credits) ♦
RSP 350 Cardiopulmonary Pathophysiology (3 credits)
RSP 480 Respiratory Care Seminar (3 credits) ♦
RSP 396 Clinical Practicum IV (3 credits) ♦
RSP 486 Clinical Practicum V (3 credits) ♦
RSP 441 Case Studies in Evidence Based Practice (3 credits) ♦
RSP 445 Health Assessment and Promotion (3 credits)
RSP 430 Advanced Pathophysiology (3 credits) ♦
RSP 460 Advanced Respiratory Critical Care (3 credits) ♦
RSP 485 Respiratory Care Capstone (3 credits)

Courses in Other Disciplines (20 credits)

HIN 355 Foundations of Health Informatics (3 credits)
BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)
BIO 202 Microbiology for Health Professionals (4 credits) ♦
BIO 202L Microbiology for Health Professionals Laboratory (0 credits)
HSC 421 Healthcare Research (3 credits) ♦
HSC 410 Healthcare Management (3 credits) ♦
HHS 500 Teaching & Learning in Healthcare Educat (3 credits) ♦

Sociology, B.S.

The major in sociology requires the successful completion of 36 credit hours in the discipline, 29 of which must be at the 300\400 level.

Students majoring in sociology are required to complete a 15-credit-hour core and choose seven electives.

You should also know: A grade of at least a *C* (not *C*-) must be earned in the core courses, and a GPA of at least 2.00 must be earned in all courses that comprise the major.

DEGREE REQUIREMENTS (36 CREDITS)

A minimum C (2.00) GPA average required for courses counted towards the major.

Core Courses (15 credits)

A minimum grade of C (2.00) is required for each of the core courses.

SOC 100 Introduction to Sociology - SB (3 credits)
OR
SOC 101 Global Inequalities - SB (3 credits)

SOC 281 Careers in Sociology (1 credit hour)

SOC 319 Managing and Analyzing Databases (3 credits) ♦
SOC 320 Social Research (3 credits) ♦
SOC 330 Classical Sociological Theory (3 credits) ♦
SOC 493 Sociology Senior Seminar (2 credits) ♦

Elective Courses (21 credits)

Select any seven sociology courses not fulfilling requirements above, at least six of which must be at the 300 or 400 level.

Statistics, B.S.

Statistics is the science of learning from data, whether those data come from biology, economics, engineering, medicine, public health, psychology, marketing, sports, or education. The major in statistics offers students the breadth and depth of knowledge necessary to attain various career objectives in many different fields. The department offers a Bachelor of Science in statistics consisting of a 22-credit-hour core along with a minimum of 18 credit hours of MAT/STA electives. The electives may be chosen from courses at the 300 level or above (or MAT 234) with at least 9 of these credit hours being STA courses. Although students have freedom in choosing these elective courses, it is recommended that each student choose one of the sets that have been specially designed for particular areas of emphasis. These areas are applied statistics, theoretical statistics, and actuarial sciences.

NOTES:

A grade below a *C*- is not applicable to the major.
At least 9 credit hours toward the major must be completed at NKU.
A student majoring in statistics seeking a focus in mathematics must complete four additional 300- or 400-level MAT courses not used to satisfy the statistics major.
Any substitutions in these programs must be made in consultation with the chair of the department.

♦ Indicates prerequisite.

DEGREE REQUIREMENTS (44 CREDITS)

Core Courses (27 credits)

MAT 129 Calculus I - QR (4 credits) ♦ AND
MAT 229 Calculus II (5 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦ AND
MAT 227 Calculus B (3 credits) ♦ AND
MAT 228 Calculus C (3 credits) ♦

STA 250 Probability and Statistics I (3 credits) ♦
STA 305 Intermediate Statistical Methods with R (3 credits) ♦
STA 314 Design and Analysis of Experiments (3 credits) ♦
STA 316 Regression Analysis (3 credits) ♦
STA 341 Statistics II (3 credits) ♦
STA 360 Statistical Computing (3 credits) ♦
STA 393 Career Explorations in Statistics (1 credits) ♦

Electives (15 credits)

Select one course from the following:

STA 327 Categorical Data Analysis (3 credits) ♦
STA 340 Probability II (3 credits) ♦
STA 365 Statistics with Simulation & Resampling (3 Credits)

Additional electives

Select 6 additional hours of STA electives at the 300-level or above.
Select 6 additional hours of MAT or STA electives at the 300-level or above (may also include MAT 234).

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Accounting, B.S.B.A.

Thinking about the discipline: The Bachelor of Science in Business Administration with a major in accounting is offered to students who seek careers as accountants and auditors with public accounting firms or with commercial, industrial, or public institutions. A graduate in this major has a variety of career options such as internal auditor, cost accountant, budget director, tax accountant, Internal Revenue agent, municipal finance officer, controller, or chief financial officer.

The requirements to sit for the Certified Public Accountant exam are established by state law and implemented by the state board of accountancy in each state. The accountancy boards of Kentucky, Ohio, and Indiana require 150 credit hours including a bachelor's degree. Students should consult the state board of accountancy in the state where they plan to seek employment and/or certification for specific requirements. Students needing additional credit hours beyond the bachelor's degree should investigate the Master of Accountancy program (see Graduate Catalog for more information). The undergraduate B.S.B.A.-Accounting program meets the educational requirements necessary to take other certifying examinations in accounting (for example, the Certified Management Accountant examination and the Certified Internal Auditor examination).

Special opportunities for our students: The accounting major requires practical training through an internship. Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards, faculty, and the college's business experience manager. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding accounting student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in accounting are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in accounting automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

All accounting majors must complete the accounting track or the accounting information systems track in addition to the other requirements for the major.

To earn the Bachelor of Science in Business Administration (B.S.B.A.) with a major in accounting, students must earn a grade of *C* or better in all accounting courses.

Transfer students electing a major in accounting are required to complete a minimum of 15 credit hours of ACC courses and a minimum of 30 credit hours of required B.S.B.A courses at NKU. Transfer students should make an advising appointment with the Center for Student Excellence as soon as transcripts from previous institutions are available.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Accounting is a selective admission program. Students enter the program as a Pre-Accounting major.

Students are officially admitted to the college as a BSBA-Accounting major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be satisfied IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (78-83 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses in Accounting (17-19 credits)

ACC 202 Analysis of Accounting Information (1 credit) ♦
ACC 300 Intermediate Accounting I (3 credits) ♦
ACC 301 Intermediate Accounting II (3 credits) ♦
ACC 310 Accounting Information Systems (3 credits) ♦
ACC 350 Management Cost Accounting I (3 credits) ♦
ACC 396 Internship: Accounting (1-3 credits) ♦
ACC 400 Auditing (3 credits) ♦

ACCOUNTING TRACK (12 CREDITS)

ACC 320 Intro to Business & Individual Taxation (3 credits) ♦

ENG 340 Business Writing (3 credits) ♦
OR
ENG 371 Traditional Grammar (3 credits) ♦

Accounting Elective (3 credits)

Select one course from the following

ACC 330 Fraud Examination (3 credits) ♦
ACC 340 Data Analytics for Accounting (3 credits)
ACC 420 Advanced Tax Planning (3 credits) ♦
ACC 430 Advanced Accounting (3 credits) ♦
ACC 550 Management Cost Accounting II (3 credits) ♦

Global Focus Elective (3 credits)

Select one course from the following

ECO 340 International Economics (3 credits) ♦
FIN 415 International Finance (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
MKT 333 Global and Cultural Issues in Marketing (3 credits) ♦
PSC 410 International Political Economy (3 credits) ♦

TOTAL CREDITS 76-81

ACCOUNTING INFORMATION SYSTEMS TRACK (9 CREDITS)

INF 110 Introduction to Application Development (3 credits)
INF 282 Introduction to Databases (3 credits) ♦
BIS 310 Systems Analysis and Design (3 credits) ♦

TOTAL CREDITS 78-83

Entrepreneurship, B.S.B.A.

Thinking about the discipline: The entrepreneurship major prepares students for the challenges of today's fast-paced and uncertain economic environment where competition is based on opportunity recognition, innovation, speed to market, and entrepreneurial drive. In this innovative degree program, the focus is on developing a needed skill set and an entrepreneurial mindset, as well as creating value in the marketplace. Students learn to capitalize on uncertainty rather than avoid it and embrace the learning that comes from taking calculated risks. The curriculum is multidisciplinary and designed to give students an opportunity to develop their own creative skills while applying basic business principles to the challenges of starting a new business, growing a business, or managing a family business. The program emphasizes the new venture-creation model and its application in small or large companies and in profit and not-for-profit organizations. Course topics include idea generation, opportunity recognition, feasibility analysis, business plan development, venture financing, early stage strategies, corporate venturing, and management of innovation. Students have the chance to meet and interact with entrepreneurial leaders in the region and throughout the world.

The entrepreneurship major prepares its graduates for a wide range of business-related career paths. Some are prepared to start their own business, either soon after graduation or at some point in the future. Some are prepared to begin a more traditional leadership path where the self-reliance, initiative, creativity, and communication skills developed in this program are viewed as positive qualities by prospective employers. Still others are prepared to apply their newly developed business planning and analysis skills to obtain entry-level positions with consulting firms, commercial lending institutions, and private equity firms. The major in entrepreneurship provides students with career options not available to those graduating with more traditional business majors.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding entrepreneurship student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in entrepreneurship are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in entrepreneurship automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Entrepreneurship is a selective admission program. Students enter the program as a Pre-entrepreneurship major.

Students are officially admitted to the college as a BSBA-Entrepreneurship major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and

An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Core Courses for Entrepreneurship (21 credits)

ENTP 201 Entrepreneurial Mindset (3 credits)
ENTP 202 Opportunity Recognition (3 credits)
ENTP 290 Idea Validation (3 credits)
ENTP 375 Entrepreneurial Skills & Marketing (3 credits) ♦

ENTP 376 New Venture Financing (3 credits) ♦
ENTP 485 Entrepreneurship Capstone (3 credits)
One ENTP elective required at the 300 level or above (3 credits)

Finance, B.S.B.A.

Thinking about the discipline: Finance is the study of how organizations make decisions in the context of firm value maximization. These decisions involve the analysis of risk/return variables and mathematical models used to measure them. Financial managers in a variety of institutional settings are responsible for decisions concerning such things as firm expansion, dividend policy, working capital management and capital structure.

The B.S.B.A. with a major in finance prepares graduates for a variety of career possibilities including: corporate finance, securities, commercial banking, and financial planning. Careers in corporate finance involve capital budgeting, project financing, mergers and acquisitions, financial risk management, and international finance. Careers in the securities industry include securities analysis and financial research. Banking careers include positions such as commercial loan officers, trust administrators and bank managers. Careers in financial planning encompass all aspects of individual financial planning such as retirement, estate, 401K, college savings, insurance and pension planning. Investment bankers help corporations perform business transactions, make investment decisions, and raise venture capital.

Students intending to pursue a career in corporate finance or investments should consider choosing their electives from the following list: FIN 355 Principles of Risk Management and Insurance (3 credits), FIN 385 Financial Planning Process and Estate Planning (3 credits), FIN 435 Case Studies in Corporate Finance (3 credits), FIN 445 Retirement Planning and Employee Benefits (3 credits), FIN 450 Advanced Investment Analysis (3 credits) (by application only) and possibly taking ACC 320 Intro to Business & Individual Taxation (3 credits) as an additional course.

Students considering careers in managerial finance should consider taking the following courses in addition to the finance electives: ACC 202 Analysis of Accounting Information (1 credit), ACC 300 Intermediate Accounting I (3 credits), ACC 301 Intermediate Accounting II (3 credits), ACC 320 Intro to Business & Individual Taxation (3 credits), ACC 350 Management Cost Accounting I (3 credits).

Special opportunities for our students: B.S.B.A.-Finance students have the opportunity to participate in internship programs. Internship opportunities are very diverse and are continually upgraded through the efforts of our professional advisory boards, faculty, and the college's business experience manager. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding finance student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in finance are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in finance automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

A grade of *C* or better in all program courses in the finance major is required to earn the Bachelor of Science in Business Administration (B.S.B.A.) with a major in finance.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Finance is a selective admission program. Students enter the program as a Pre-Finance major.

Students are officially admitted to the college as a BSBA-Finance major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be satisfied IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦

MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for Finance (21 credits)

FIN 315 Financial Management (3 credits) ♦
FIN 345 Investment and Security Analysis (3 credits) ♦
ACC 308 Financial Statement Analysis (3 credits) ♦

Select four courses from the following (12 credits):
ECO 310 Introduction to Econometrics (3 credits) ♦
ECO 311 Econometrics II (3 credits) ♦
Any 300/400-level FIN course

General Business, B.S.B.A.

Thinking about the discipline: Primarily intended to serve the needs of students transferring a significant number of completed upper-division business courses to NKU, the major in general business is designed to permit students to complete a program of interdisciplinary business study from AACSB-accredited courses offered in the Haile/U.S. Bank College of Business or the Department of Business Informatics at the 300 level or above.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. General business students may choose from a variety of active student organizations that provide outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding general business student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in general business are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in general business automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

The major in general business can be completed through the Program for Adult Centered Education (PACE) and in an online format.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in General Business is a selective admission program. Students enter the program as a Pre-General Business major.

Students are officially admitted to the college as a BSBA-General Business major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for General Business (21 credits)

MGT 205 Business Management Principles (3 credits) ♦

Select six 300- or 400-level courses from AACSB-accredited programs (ACC, BIS, ENTP, FIN, HRM, MGT, MKT, SPB) (18 credits)

Global Supply Chain Management, B.S.B.A.

Thinking about the discipline: In today's society, global supply chain management is critical for organizational success. The successful sourcing, movement of materials and supply chain analytics are necessary in order to satisfy customer needs. The Global Supply Chain Management major is designed to prepare students with knowledge about effective global supply chain management. The courses will give students insight into strategic sourcing and global management of inventory. The curriculum will also provide students with practical knowledge about distribution, transportation and logistics strategies. Additional courses in Global supply chain analysis and risk management make this a wonderful major for any student hoping for a leg up in the competitive environment of business.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding global supply chain management student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in global supply chain management are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in global supply chain management automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Global Supply Chain Management is a selective admission program. Students enter the program as a Pre-Global Supply Chain Management major.

Students are officially admitted to the college as a BSBA-Global Supply Chain Management major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and

An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for Global Supply Chain Management (21 credits)

GSCM 207 Introduction to Supply Chain Management (3 credits) ♦
GSCM 308 Global Strategic Sourcing (3 Credits) ♦
GSCM 309 Logistics and Distribution (3 Credits) ♦
GSCM 365 Supply Chain Data Analytics 3 credit hours
GSCM 416 Global Supply Chain Analytics (3 Credits) ♦

Select two courses from the following (6 credits):
BIS 357 Enterprise Resource Planning (3 credits) ♦
BIS 430 Business Process Analysis (3 credits) ♦
BIS 440 Global Information Technology Management (3 credits) ♦
GSCM 392 Advanced Supply Chain Research 3 credit hours
GSCM 394 Topics: Global Supply Chain Management 1-3 credit hours

GSCM 396 Internship: Global Supply Chain Mgt 3 credit hours
GSCM 496 Internship: Global Supply Chain Mgt II 3 credit hours
MGT 306 Project Management (3 credits) ♦
MGT 310 Leading High Performing Teams (3 credits) ♦
MGT 315 Continuous Quality Improvement in Operations (3 credits) ♦
MGT 330 Negotiation and Conflict Resolution (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
MKT 307 Shopper Marketing (3 credits) ♦
MKT 310 Selling Skills (3 credits) ♦
Other as approved by department chair

Human Resource Management, B.S.B.A.

Thinking about the discipline: The Bachelor of Science in Business Administration with a major in human resource management is designed to prepare human resource professionals to deal with the challenge of managing today's workforce in a small but growing business, corporate or nonprofit entity, or multinational organization. The program content is designed to provide comprehensive coverage of the major functional areas of human resource management such as staffing, employee training and development, wages, and benefits. In addition, students will understand and develop personal competencies such as business communication skills and skills in managing diversity. Students also will have the opportunity to gain practical experience in human resource management by completion of a rigorous and required internship program. The B.S.B.A. major in human resource management at NKU is one of only 263 programs in the world that has been acknowledged as being in alignment with the Society for Human Resource Management HR Curriculum Guidebook and Templates.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding human resource management student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in human resource management are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in human resource management automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Human Resource Management is a selective admission program. Students enter the program as a Pre-Human Resource Management major.

Students are officially admitted to the college as a BSBA-Human Resource Management major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for Human Resource Management (21 credits)

HRM 301 Training and Employee Development (3 credits) ♦

HRM 302 Recruiting and Selecting Human Resources (3 credits) ♦
HRM 304 Compensation and Benefits (3 credits) ♦
HRM 480 Strategic Human Resources (3 credits) ♦
MGT 340 Human Resource Administration (3 credits) ♦

Choose two courses from the following (6 credits):
HRM 300 Introduction to Labor-Management Relations (3 credits) ♦
HRM 303 Employment Law (3 credits) ♦
HRM 396 Human Resource Management Internship (1-3 credits) ♦

International Business, B.S.B.A.

Thinking about the discipline: The International Business (IB) major provides its graduates with a rigorous foundation for success in the global business environment. The Haile/US Bank College of Business and its faculty have strong international relationships, partnering with some of the best business schools around the world. IB students have the opportunity to both complete a variety of courses throughout the academic year at one or more of these universities, and to build a network of global contacts with future business leaders around the world.

Career success for IB graduates depends on expertise in business disciplines such as management, marketing, and finance, as well as awareness and appreciation for the historical, political, socio-economic, cultural, and ethical environments that exist throughout the world. The combination of business skills and an understanding of the context in which international business is conducted require the development of a global mindset, a primary aim of the IB program.

The IB major provides a multi-disciplinary curriculum led by faculty with extensive international expertise, experience, and backgrounds. The program delivers challenging and relevant coursework, as well as meaningful international experiences for our students. Each course exposes students to the vast complexities of our changing world, and helps them to develop the skills needed to make effective business decisions in environments of increasing globalization, greater uncertainty and multiple perspectives.

Special opportunities for our students: Opportunities for international business majors include internships and networking with one or more of the hundreds of international companies in the Northern Kentucky/Greater Cincinnati region. Graduates will find a wide variety of employment opportunities throughout the world, across the US, and in our region.

IB graduates will be prepared for exams to earn two internationally recognized professional credentials to add value to their résumé: the ACTFL Language Proficiency and the Certified Global Business Professional (CGBP) designations. These optional credentialing examinations are administered by their respective organizations and may have additional fees and requirements.

IB students are required to complete a meaningful, credit-bearing international experience of at least 3 credit hours. Students work individually with the college's Director of International Business to decide which type of international learning experience will best meet their career and life goals. Many alternatives are acceptable and available, ranging from regular spring semester courses with an international travel component, to multi-week summer experiences, to semester-long exchanges at NKU partner universities around the world. Typically, the college makes available some scholarship support to at least partially cover travel expenses.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in international business are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International-The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can earn in business programs accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in International Business automatically earn an interdisciplinary minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

IB majors are required to attain competency in a second language, as measured by the American Council on the Teaching of Foreign Languages (ACTFL). Language skills and cultural awareness raise the business skills of a global professional to a higher level by giving deeper insight into the culture, values and context of the people with whom they will be working. IB students are expected to attain an ACTFL level of Intermediate Mid in speaking, writing, listening, and reading. In general, for speaking this means the ability to engage in social conversation about personal information related to self, family, home, daily activities, interests and personal preferences, as well as physical and social needs, such as food, shopping, travel, and lodging. For writing, this means the ability to write short, simple communications, compositions, and requests for information in loosely connected texts about personal preferences, daily routines, common events, and other personal topics.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in International Business is a selective admission program. Students enter the program as a Pre-International Business major.

Students are officially admitted to the college as a BSBA-International Business major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and

An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

COLLEGE OF BUSINESS COURSES (52 CREDITS)

ACC 200 Introductory Financial Accounting (3 credits) ♦
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

INTERNATIONAL BUSINESS REQUIRED COURSES (18 CREDITS)

IBU 395 Study Abroad in Business (3 credits) ♦
FIN 415 International Finance (3 credits) ♦
IBU 480 International Commerce (3 credits) ♦
GSCM 207 Introduction to Supply Chain Management (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦
MKT 333 Global and Cultural Issues in Marketing (3 credits) ♦

ELECTIVES (3 CREDITS)

IBU 395 Study Abroad in Business (3 credits) ♦
ECO 340 International Economics (3 credits) ♦
FRE 340 Business French (3 credits) ♦
GER 340 Business German (3 credits) ♦
IBU 396 International Business Internship (1-6 credits) ♦
IBU 499 International Business: Independent Study (3 credits) ♦
JPN 340 Business Japanese (3 credits) ♦
POP 250 International Popular Culture - AH (3 credits)
PSC 410 International Political Economy (3 credits) ♦
SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
SPI 340 Business Spanish (3 credits) ♦
Other electives available as approved by the Director of International Business.

Management, B.S.B.A.

Thinking about the discipline: The Bachelor of Science in Business Administration with a major in management is designed to provide graduates with the fundamental personal, interpersonal, conceptual, and technical knowledge and skills they need to manage organizational operations and resources effectively. All students are expected to master a variety of business communication forms (for example, formal presentations and written reports) and to develop basic behavioral competencies necessary for those who intend to plan, organize, lead, and control the work of others in an organization. Management students must also analyze complicated business problems and become adept at using both quantitative and qualitative decision-making techniques. Likewise, current and historically important theories of organization and human work behavior are studied so that students acquire a context for understanding the complex and dynamic processes occurring in contemporary organizations. Required courses in the management major place an emphasis on learning that should facilitate long-term development as a management professional. The focus of the management major is on the knowledge base and skills that underlie effective management practice irrespective of organization or industry type.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards and faculty. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding management student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in management are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in management automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Management is a selective admission program. Students enter the program as a Pre-Management major.

Students are officially admitted to the college as a BSBA-Management major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for Management (21 credits)

MGT 205 Business Management Principles (3 credits) ♦
MGT 306 Project Management (3 credits) ♦
MGT 310 Leading High Performing Teams (3 credits) ♦
MGT 340 Human Resource Administration (3 credits) ♦
MGT 406 Leadership and Change (3 credits) ♦
Select two 300 or 400 level courses with the following designator: ENTP, HRM, and MGT (6 credits)

Marketing, B.S.B.A.

Thinking about the discipline: In today's hyper-competitive global business environment, it is becoming very clear that for any organization to prosper, it must adopt a market orientation as its guiding business philosophy. Being market oriented simply means that an organization considers the needs and wants of its customers as crucial input in every decision that it makes. To successfully accomplish this goal, the organization must develop and nurture close relationships with its customers. Marketers are literally the interface between the organization and its customers. A career in marketing, no matter which of the dozens of different career paths one chooses to follow, is at its heart a career in strategically creating and managing these relationships.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards, faculty, and the college's business experience manager. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding marketing student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in marketing are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in marketing automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

A grade of *C* or better in all program courses in the marketing major is required to earn the Bachelor of Science in Business Administration (B.S.B.A.) with a major in marketing.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Marketing is a selective admission program. Students enter the program as a Pre-Marketing major.

Students are officially admitted to the college as a BSBA-Marketing major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.

All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (76 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
* Denotes Selective Admission Group

Core Courses for Marketing (24 credits)

MKT 300 Marketing Tools (3 credits) ♦
MKT 308 Integrated Marketing Communications (3 credits) ♦
MKT 310 Selling Skills (3 credits) ♦
MKT 320 Applied Consumer Behavior (3 credits) ♦
MKT 388 Consumer Insights (3 credits) ♦
MKT 480 Strategic Marketing (3 credits) ♦

Marketing Electives (6 credits)

Select two courses from the following group:

MKT 307 Shopper Marketing (3 credits) ♦
MKT 333 Global and Cultural Issues in Marketing (3 credits) ♦
MKT 365 Professional Selling (3 credits) ♦
MKT 370 Social and Digital Marketing (3 credits) ♦
MKT 488 Advanced Marketing Research (3 credits) ♦
MKT 394 Topics: Marketing Issues (3 credits) ♦
MKT 396 Internship: Marketing (0-3 credits) ♦
MKT 499 Independent Study: Marketing (1-3 credits) ♦
SPB 305 Sports Marketing and Events Research (3 credits) ♦
SPB 335 Event Planning and Management (3 credits) ♦

Sports Business and Event Management, B.S.B.A.

Thinking about the discipline: Who sets the price of a Cincinnati Bengals 50-yard-line ticket? Who creates game-night promotions for the Florence Freedom? Who created the marketing strategy for the United States Women's National Soccer Team? Who decided that M&M's would sponsor a NASCAR team? What is the answer to all these questions? People working in the business of sport, of course. Whether amateur or professional, global or local, the sports and event management industry continues to grow rapidly and provide a rich variety of career paths for business students.

The sports business and event management program offers students a unique opportunity to earn a business degree with a difference. The program prepares students for a variety of career and leadership opportunities in sports business and event management. A small sampling of career paths in the sports industry includes sport marketing and promotions, event management, sports media, sports sponsorship, athlete services, sports commissions, sports attorneys, high school sports administration, sports accounting and finance, college athletic fundraising, ticket sales, sports equipment manufacturing and distribution, sports facilities and operations management, and team, league and college athletic management and marketing. All students are strongly encouraged to discuss their career goals with sports business faculty for guidance in searching for the perfect job.

Special opportunities for our students: Internship opportunities are very diverse and are continually being upgraded through the efforts of the department's professional advisory boards, faculty, and the college's business experience manager. There is also an active student organization that provides outstanding professional networking opportunities at regular meetings and activities. Each year, the department faculty select the outstanding sports business and event management student of the year.

Students earning the Bachelor of Science in Business Administration (B.S.B.A.) with a major in sports business and event management are eligible to be considered for membership in Beta Gamma Sigma, the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest academic recognition a business student anywhere in the world can receive in a business college accredited by AACSB International.

You should also know: All students successfully completing the B.S.B.A. major in sports business and event management automatically earn an interdisciplinary Minor in Business as part of their required course of study for the major degree. The Minor in Business satisfies the university's minor/focus/second major requirement for graduation.

A grade of *C* or better in all program courses in the sports business and event management major is required to earn the Bachelor of Science in Business Administration (B.S.B.A.) with a major in sports business and event management.

Special admission requirements: The Bachelor of Science in Business Administration (B.S.B.A.) with a major in Sports Business and Event Management is a selective admission program. Students enter the program as a Pre-Sports Business and Event Management major.

Students are officially admitted to the college as a BSBA-Sports Business and Event Management major after meeting the following requirements:

Completion of the six courses in the selective admission group (ACC 200, ACC 201, BUS 230, ECO 100, ECO 101, and MKT 205) with a grade of *C*- or better in each and
An overall NKU GPA of 2.5 or better or a minimum GPA of 2.5 in the six selective admissions courses.
All transfer students enter as pre-majors and must complete a minimum of 12 credit hours at NKU in order to establish the NKU GPA for selective admission into the major, regardless of individual course completion status.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

DEGREE REQUIREMENTS (73 CREDITS)

College of Business Courses (52 credits)

ACC 200 Introductory Financial Accounting (3 credits) ♦ *
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦ *
BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦ *
BUS 301 Business Professionalism/Career Prep 3 credit hours
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦ *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ *
ECO 305 Foundations of International Business (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MAT 114 Finite Mathematics - QR (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 490 Business Policy (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦ *
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
* Denotes Selective Admission Group

Courses for Sports Business (21 credits)

MKT 310 Selling Skills (3 credits) ♦
SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
SPB 305 Sports Marketing and Events Research (3 credits) ♦
SPB 307 Moneyball: Economics of Sports & Events (3 credits) ♦
SPB 335 Event Planning and Management (3 credits) ♦
SPB 350 Revenue Generation in Sports and Events (3 credits) ♦

Sports Business and Event Management Electives (6 credits)

Select one SPB or MKT 300- or 400-level course

BACHELOR OF SCIENCE IN NURSING

Nursing, Accelerated B.S.N.

The Accelerated Bachelor of Science in Nursing (ABSN) track for students who already have a bachelor's degree provides preparation for registered nursing practice. The curriculum is composed of both didactic and clinical components. The curriculum blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice.

The ABSN track is designed for postbaccalaureate individuals who want to make a career change. The accelerated track is fast-paced and rigorous, incorporating three years of nursing courses into 16 months. The accelerated track is designed for nonworking, full-time students who can immerse themselves in the content.

Student advising: All students contemplating admission to the ABSN track are strongly encouraged to contact an advisor regarding admission requirements. Students admitted to the ABSN track are assigned an advisor and are expected to maintain close contact with their advisor throughout the program of study. It is the responsibility of the student to initiate at least one advising session each semester.

Admission requirements: Admission to the ABSN track is highly selective. Priority will be given to students whose academic record reflects strength in the sciences and mathematics. To be considered for admission, one must:

Be a graduate of an accredited college or university with a bachelor's or higher degree, or within six months of graduation with a statement from the registrar, chair, or advisor that graduation requirements will be met prior to the start of ABSN classes.
Be admitted to NKU as a degree-seeking student with postbaccalaureate status without conditions.
Have a minimum cumulative GPA of 3.00 on a 4.00 scale. GPAs for admission to the ABSN track will be calculated using NKU and transfer coursework.
Complete at least two science prerequisite courses before applying.
Submit separate application to the School of Nursing by January 15 for fall admission. The application is available in the nursing office or online (https://nku.co1.qualtrics.com/jfe/form/SV_bfkOzDFtrw

eHvet). This application is in addition to the university application.

Complete the following prerequisite courses with a grade of at least a *C* in each course. Prerequisites taken at another university are not considered completed until the course has been transferred to NKU.

NO EXCEPTIONS.

CHE 115/CHE 115L OR CHE 120/CHE 120L and CHE 121/CHE 121L
BIO 208 /BIO 208L
BIO 209 /BIO 209L
BIO 202/BIO 202L
BIO 126
PSY 321 OR EDU 300
STA 205 OR STA 205R
HIN 355

All prerequisite science courses for admission to the program must be fewer than five years old as of the first day of the semester in which the program is started.

Applicants whose native language is other than English must demonstrate an established level of English proficiency by taking the Internet-based TOEFL. See special admission requirements under School of Nursing for additional information.

Student criminal background check: Healthcare agencies are charged with providing care and protecting the safety of vulnerable populations including children and the aged. Agencies used for clinical placement require students to undergo criminal background checks and may deny clinical access to those convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the College of Health and Human Services. Applicants are required to submit to criminal background checks as identified by the College of Health and Human Services as part of the application process. The cost of this and any subsequent screening will be borne by the student. The student is responsible for notifying the College of Health and Human Services any change in the status of this record after starting the program. Note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment. The Kentucky Board of Nursing has regulations regarding previous convictions that must be addressed prior to sitting for the licensure examination. All felony and misdemeanor convictions must be reported when applying for licensure.

Please also note:

Admission is provisional, based upon satisfactory completion of prerequisite courses, criminal background check, and TOEFL if applicable.

A failure (grade of C-, D, or F) in any prerequisite course or nursing course within four years of the start of the program makes an applicant ineligible for the ABSN track.

Evolve® Curriculum Support: All students will participate in the Evolve® Curriculum Support Program. This is a commercial program that provides additional resources for student learning. It is composed of case studies, practice tests/quizzes, and standardized testing. Completion of these will be dictated by course syllabi, and standardized test scores will determine if remediation is required.

NRS 475 Remediation of BSN Concepts (2 credits) will be required in the last 7 weeks of the final nursing semester for traditional and accelerated BSN students who score below 900 on the HESI-RN Exit V1 exam.

This course can be taken voluntarily by students who achieve over 900 on the HESI RN-Exit exam on a space available basis.

Progression:

Students admitted to the ABSN track are subject to the program requirements of the catalog in effect at the time of entry.

Upon matriculation into the ABSN track, students must take the last 30 semester hours from NKU.

Students are expected to progress sequentially through the nursing program. In order to be eligible to enroll in a succeeding nursing course, the student is required to meet all program requirements and academic standards.

A grade of C or higher must be achieved in all nursing courses.

Critical skills: Students are required to show ability to perform certain basic nursing skills during each semester. Failure to demonstrate continued ability to perform these skills will provide a basis for failure of the clinical component.

Students must concurrently take and pass nursing courses that are co-requisites.

Failed nursing courses (grade of C- or below) may not be repeated in the accelerated track.

Readmission: Students who fail a nursing course (earning a C- or below) in the accelerated track are not eligible for readmission to the accelerated program. Students may apply for admission to the traditional baccalaureate track if they meet admission criteria and will be considered on a space-available basis.

DEGREE REQUIREMENTS (68 CREDITS)

♦ Indicates prerequisite.

Core Courses

NRS 210L Development of Clinical Nursing Skills (2 credits) ♦
NRS 215 Fundamental Concepts of Professional Nursing Practice (3 credits) ♦
NRS 215P Fundamentals of Professional Nursing Practicum (3 credits) ♦
NRS 220 Holistic Health Assessment of the Adult (2 credits) ♦
NRS 220L Holistic Health Assessment Laboratory (1 credit) ♦
NRS 250 Introduction to Medical-Surgical Nursing (3 credits) ♦
NRS 250P Introduction to Medical-Surgical Nursing Practicum (4 credits)
NRS 255 Pathopharm Concepts and Principles (4 credits) ♦

NRS 310 Concepts of Community and Public Health Nursing (3 credits) ♦
NRS 310P Concepts of Community and Public Health Nursing Practicum (2 credits)
NRS 330 Principles of Psychiatric and Mental Health Nursing (3 credits) ♦
NRS 330P Psychiatric and Mental Health Nursing Practicum (2 credits)
NRS 339L Clinical Reasoning I (1 credit) ♦
NRS 350 Intermediate Medical-Surgical Nursing (3 credits) ♦
NRS 350P Intermediate Medical-Surgical Nursing Practicum (2 credits)
NRS 360 Principles of OB and Newborn Nursing (3 credits) ♦
NRS 360P Principles of OB and Newborn Nursing Practicum (2 credits)
NRS 365 Foundations of Nursing Scholarship (3 credits) ♦
NRS 415 Principles of Pediatric Nursing (3 credits) ♦
NRS 415P Pediatric Nursing Practicum (2 credits)
NRS 425 Leadership Concepts in Nursing Practices (4 credits)
NRS 439L Clinical Reasoning II (1 credit) ♦
NRS 460P Nursing Capstone Project (3 Credits) ♦
NRS 450 Advanced Medical-Surgical Nursing (3 credits) ♦
NRS 450P Advanced Medical Surgical Practicum (2 credits)
NRS 465P Transition to the Professional Practice Role (4 credits) ♦

NOTE

The following courses are required for students who do not benchmark on specific HESI standardized exams.

NRS 475 Remediation of BSN Concepts (2 Credits)

Nursing, R.N. to B.S.N.

Available exclusively in a fully-online format.

The registered nurse to Bachelor of Science in nursing RN to BSN provides career mobility for the registered nurse. The coursework blends scientific and humanistic theories with nursing theories to provide graduates with a foundation for professional nursing practice. Graduates are prepared to function in primary, secondary, and tertiary care settings and in roles that are dependent, interdependent, or independent according to the level of care required. They are able to lead and influence colleagues and coworkers for the enhancement of their knowledge and skills, thereby effecting change to promote quality nursing care for clients in any health setting. The Bachelor of Science in nursing BSN is designed to provide a foundation for higher degree programs in nursing.

Special opportunities for our students: The RN to BSN provides career mobility for R.N.s who need the high flexibility that distance education can provide. Students are eligible for awards including membership in Sigma Theta Tau Rho Theta Chapter (honor society for nursing).

Accreditation: The RN to BSN track is fully accredited by the Commission on Collegiate Nursing Education (CCNE).

Admission requirements: To be admitted to the program, an applicant must:

Be fully admitted to NKU as a degree-seeking student.
Submit to the Office of Admissions:
Official transcripts from an associate degree or diploma program in nursing.
Official transcripts from all postsecondary work completed.
Hold current, unrestricted RN licensure within first semester of admission to RN-BSN track. Proof of R.N. licensure in state of practice is mandatory prior to enrollment in any nursing course.

Admitted students must:

Complete Introduction to Statistical Methods (STA 205 OR STA 205R) prior to enrolling in NRP 472, Nursing Research and Evidence Based Practice.
Complete one full year of anatomy and physiology with labs (BIO 208, BIO 208L, BIO 209, BIO 209L) and Microbiology for Health Professionals with Laboratory (BIO 202/BIO 202L) prior to enrolling in NRP 476 Impact of Genetics and Genomics on Health (2 credits).
Complete the following courses with a minimum grade of *C* in each course prior to graduation.
One full year of English composition (ENG 101 and ENG 102).
Introduction to Psychology (PSY 100).
Lifespan Development - OR - Human Growth and Development (PSY 321 -- OR -- EDU 300).
Health Care Ethics - OR - Ethics (PHI 220 -- OR -- PHI 200).
Meet all requirements for a bachelor's degree as stated in this catalog.

NKU College of Health and Human Services policies:

Progression: To progress in the RN to BSN track, students must achieve a grade of *C* or higher in all required nursing and support courses. Students withdrawing from the nursing program for any reason are requested to have an exit interview with the program director or faculty advisor. Students may repeat only one semester of nursing.

You should also know: Students entering the RN to BSN track may have transfer credit hours that will satisfy some of the requirements of the program. Additionally, you are eligible to receive credits for prior learning through the NCLEX exam in the Industrial Credentials program. Your adviser can tell you more about this program.

DEGREE REQUIREMENTS (78 CREDITS)

♦ Indicates prerequisite.

Courses in Nursing (30 credits)

NRP 470 Role Transformation (3 credits) ♦
NRP 471 Concepts of Professional Nursing (3 credits) ♦

NRP 472 Nursing Research and Evidence Based Practice (3 credits) ♦
NRP 473 Quality Care for Vulnerable Populations (3 credits) ♦
NRP 474 Models of Care Delivery (3 credits) ♦
HIN 355 Foundations of Health Informatics (3 credits)
NRP 475 Population Centered Health in the Community (3 credits) ♦
NRP 476 Impact of Genetics and Genomics on Health (2 credits) ♦
NRP 477 Leadership in Nursing (3 credits) ♦
NRP 478 Nursing Leadership Practicum (4 credits) ♦

Courses in Other Disciplines (48 credits)

ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
Gen Ed Oral Communication (3 credits)
Gen Ed Cultural Pluralism (3 credits)
Gen Ed Individual and Society (3 credits)
Gen Ed Culture and Creativity (6 credits)
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
BIO 209 Human Anatomy and Physiology II (4 credits) ♦
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)
BIO 202 Microbiology for Health Professionals (4 credits) ♦
BIO 202L Microbiology for Health Professionals Laboratory (0 credits)
PSY 100 Introduction to Psychology - SB (3 credits)
STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)

PSY 321 Lifespan Development (3 credits) ♦
OR
EDU 300 Human Growth and Development (3 credits) ♦

PHI 200 Introduction to Ethics - AH (3 credits)
OR
PHI 220 Health Care Ethics - AH (3 credits)

Health Care Industry Certification Examinations - NCLEX-RN

A requirement for admission to the RN to BSN track is an active registered nursing license. In order to obtain a nursing license nurses must take and pass the National Council Licensure Examination (NCLEX-RN). Since 1994 the NCLEX has been a nationwide examination for the licensing of nurses in the United States. The examination is developed and owned by the National Council of State Boards of Nursing, Inc. (NCSBN). The NCSBN administers these examinations on behalf of its member boards which consist of the boards of nursing in all 50 states. Scores for passing the exam are issued to the board of nursing. The blueprint testing plan for the exam is updated every three years to reflect current, entry-level nursing competency. Validation for passing the exam will be to verify a current license with the state board of nursing in which the student is licensed.

To assure content validity a testing plan is developed every three years. The test plan is reviewed and approved by the NCLEX Examination Committee. They use recent practice analysis of registered nurses, expert opinions of the Examination Committee, NCSBN content staff, and boards of nursing (NCSBN's Member Boards) to ensure that the test plan is consistent with state nurse practice acts. A thorough and comprehensive listing of content for each client needs category and subcategory is outlined in the test plan (2019 Detailed NCLEX-RN Testing Plan.)

Based on the above information 23 credit hours are available with proof of licensure for RN to BSN students. These credits are for students needing credits to meet the requirement of 120 credits to graduate.

EXAMINATION	PRE-REQUSITE	MINIMUM SCORE	EQUIVALENT NKU COURSES	SEMESTER CREDITS
Active registered nursing license via NCLEX.	ADN or Diploma	Pass	NRS 330 Principles of Psych& Mental Health Nursing (3) NRS 330P Psych& Mental Health Nursing Practicum (2) NRS 360 Principles of OB& Newborn Nursing (3) NRS 360P OB& Newborn Nursing Practicum (2) NRS 415 Principles of Pediatric Nursing (3)	23

			NRS 415P Pediatric Nursing Practicum (2) NRS 450 Advanced Medical-Surgical Nursing (3) NRS 450P Advanced Medical-Surgical Practicum (2) SCI 100 G (3)	

Nursing, Traditional B.S.N.

The traditional four-year Bachelor of Science in Nursing (BSN)is designed for students who do not have a bachelor's degree and are not yet registered nurses. Others students who may consider this track are those with a bachelor's degree who want to move at a slower pace than the accelerated B.S.N. and licensed practical nurses who desire to become registered nurses. The B.S.N. curriculum is based on concepts and theories of nursing, liberal arts, and the sciences. The nursing process is incorporated throughout the curriculum. Carefully planned experiences, such as simulation and clinical experiences are an integral part of the program of study, beginning in the first semester and continuing throughout the program. Hospitals and healthcare agencies in northern Kentucky, Greater Cincinnati, and southern Indiana serve as clinical practice settings during day and evening hours. Many members of the faculty continue to practice in healthcare settings and participate in research and other scholarly endeavors.

Graduates of the traditional B.S.N. track use critical thinking, communication, and technical skills to provide care to individuals and families. Knowledge is specific and factual and can be applied directly to practice.

Pre-major requirements: Incoming freshman students may declare pre-nursing as their major if they have a minimum ACT composite score of 20 or higher and no academic deficiencies. Transfer students with more than 24 credit hours must have a minimum GPA of 2.50. Transfer students with fewer than 24 earned credit hours must have a minimum GPA of 2.50, a minimum ACT composite score of 20 or higher and no academic deficiencies. Current NKU students seeking to change their major to pre-nursing must have a minimum GPA of 2.50 and must schedule an appointment with an academic advisor by visiting the Advising webpage at https://www.nku.edu/academics/chhs/advising.html. Students majoring in pre-nursing will be helped by an academic advisor to develop an educational plan for nursing admission and progression. Students are allowed to maintain their pre-nursing status for only three semesters before applying to the traditional B.S.N. track. If students do not meet the criteria for acceptance into the baccalaureate nursing program after three semesters, they will be encouraged to select another major to facilitate their timely graduation from NKU.

Pre-nursing students may enroll in courses that fulfill the prerequisite classes to apply to nursing and the support courses to progress into the nursing baccalaureate program, plus general education courses required for the bachelor's degree in nursing. They may not take nursing classes until admitted to begin the program.

Admission requirements: Students who apply by January 15th are applying to begin nursing courses the following fall semester. Students who apply by August 15th are applying to begin nursing courses the following spring semester. To consider any transfer credits, transcripts are due by September 15th for spring admission and by February 15th for a fall admission.

To be considered for the selective admission to the traditional B.S.N. track all applicants must:

- Be admitted to NKU as a degree-seeking student with no academic deficiencies.
- Submit a separate application to the nursing program. Applications to the nursing program may also be submitted online (https://nku.co1.qualtrics.com/jfe/form/SV_bfkOzDFtrweHvet). Applications to the nursing program are in addition to the university application.
- Have the following minimum grade requirements and eligibilities:
  - A minimum grade of *C* or higher in BIO 208/BIO 208L,
  - A minimum grade of *C* or higher in PSY 100,
  - Be eligible to take CHE 115/CHE 115L,
  - Be eligible to take STA 205 or STA 205R
  - Be eligible to take BIO 209 /BIO 209L
  - Earn grades in nursing support courses of *C* or higher. Support courses include PSY 100, PSY 321 -- OR --EDU 300, STA 205 OR STA 205R, HIN 355, BIO 202/BIO 202L, BIO 126, CHE 115/CHE 115L -- OR -- CHE 120/CHE 120L and CHE 121/CHE 121L. Grades of *C-* are not accepted for prerequisites, co-requisites or nursing classes.
  - A minimum cumulative GPA of 3.00 on a 4.00-point scale or 3.00 on a 4.00 scale on all previous college work for the last 30 credit hours, whichever is higher. GPAs for admission to the B.S.N. program will be calculated using NKU and transfer coursework.
  - No more than one semester of science course failures in the required science courses for the program in the last two years (*C-*, *D*, and *F* are considered failures) prior to entry into the program. This requirement applies to BIO 120/BIO 120L, BIO

121/BIO 121L, BIO 126, BIO 202/BIO 202L, BIO 208/BIO 208L, BIO 209/BIO 209L, BIO 302/BIO 302L, CHE 102, CHE 115/CHE 115L, CHE 120/CHE 120L, CHE 121/CHE 121L or equivalent transfer courses.

Prerequisite science courses required for admission must be fewer than five years old as of the first day of the semester in which the program begins.

The ACT is required for those transfer applicants with fewer than 24 credit hours from an accredited institution. See pre-major requirements for details.

Applicants whose native language is other than English must demonstrate an established level of English proficiency by taking the Internet-based TOEFL. See special admission requirements for details.

If a student is accepted into the nursing program, the student must have the following coursework completed before beginning nursing classes:

BIO 209/BIO 209L

PSY 321 -- OR -- EDU 300

BIO 126

CHE 115/CHE 115L -- OR --CHE 120/CHE 120L and CHE 121/CHE 121L

STA 205 or STA 205R

A personal interview may be requested by the nursing admission/readmission committee.

All accepted students must pass a criminal background check before starting nursing classes.

Licensed Practical Nurses (LPN)

Licensed practical nurses are eligible to apply to the B.S.N. track if they have graduated from a practical nursing program and passed the NCLEX-PN within the last four years or are actively employed as an LPN. The application deadlines are August 15th for spring admission and January 15th for fall admission. The LPN must meet the eligibility requirements for admission to the BSN Program as previously listed.

If LPNs are accepted into the traditional B.S.N. track, they must take a 2-credit hour independent-study/seminar course with a nursing faculty member during their first semester in the nursing program. Upon successful completion of NRS 299 , the following courses will be waived for LPNs: NRS 210L ,NRS 215 and NRS 215P . The Evolve ® Curriculum Support fee will be assessed for LPNs for every semester. LPNs are encouraged to make an appointment with an academic advisor prior to applying to the B.S.N. track.

Norse Nurse Scholar Program:

This is a program for high achieving high school students. High school seniors may apply to be directly admitted to the nursing program in their freshman year at NKU. These students will take the pre-requisite courses their freshman year but will have a guaranteed spot in the nursing program based set parameters.

Admission Requirements for the Norse Nurse Scholar Program Include:

27 or higher on ACT or 1280 or higher on the SAT.

3.5 or higher high school GPA

High School chemistry and biology completed or in the process and achieve B or greater in each course.

Complete two essay prompt questions within the application.

Deadline to apply: January 15th of senior year

For the Norse Nurse Scholar to maintain a spot in the nursing program, by the end of the freshman year at NKU the student must:

Maintain a C or higher in all pre-requisite courses

Have a cumulative GPA of 3.0

Complete 10 hours per academic year of volunteer work through the College of Health and Human Services or engage in additional learning opportunities/experiences in the Honors College (hours may be combined between volunteer and opportunities offered through the Honors College)

Students eligible for the Norse Nurse Scholar Program are invited to join the Honors College at Northern Kentucky University

Admitted students must:

Submit proof of "CPR for Health Providers" certification in effect for the upcoming academic year.

Submit immunization records and completed health forms (all records must be submitted together) before the posted deadline.

Purchase professional liability insurance, which is paid concurrently with their tuition.

Must sign health insurance waiver and release form.

Arrange own transportation to clinical agencies.

Purchase appropriate uniforms prior to the first day of clinical.

NKU College of Health and Human Services policies:

Student criminal background check: Healthcare agencies are charged with providing care and protecting the safety of vulnerable populations across the lifespan. Agencies used for clinical placement require students to undergo criminal background checks and may deny clinical access to those convicted of felonies and certain misdemeanors. Conviction of these offenses may result in a student's denial of admission to, or dismissal from, the BSN nursing program and the College of Health and Human Services. Applicants are required to submit to criminal background checks as identified by the College of Health and Human Services as part of the application process. The cost of this and any subsequent screenings will be borne by the student. The student is responsible for notifying the School of Nursing and the College of Health and Human Services of any change in the status of this record after starting the program. Note that successful completion of a criminal background check does not ensure eligibility for certification, licensure, or future employment.

Transfer students:Students previously enrolled in another ACEN or CCNE-accredited program in nursing may be eligible to transfer into the nursing program at NKU. In addition to all admission requirements, the following apply to all transfer students:

Transfer students are considered on a space-available basis. Eligibility is determined by the nursing Admissions, Progression, Graduation (APG) Committee. Students with more than one nursing semester failure are not eligible to apply.

The student must submit the following: a letter of good standing from the director of the previous nursing program attended, a letter from the student explaining the reasons for withdrawal, official transcripts that includes all attempted college work, and syllabi that includes course topical outlines, for all nursing courses taken. The APG committee will review syllabi to determine advanced standing for some nursing courses. Previous courses must be completed within 2 years of the NKU admission date.

All transfer students who are eligible for advanced standing in the nursing program must enroll and successfully complete an NRS 299 (1 credit hour) nursing skills course prior to matriculation into the NKU Nursing Program.

Students requesting advanced placement in the nursing program may be required to pass a simulated clinical performance and dosage computation examination. In addition, a written theory examination may be required.

If a student has not participated in clinical nursing courses for longer than one semester, that student is required to repeat the last successfully completed medical-surgical nursing clinical course.

At least 25 percent of the credits required for the degree must be completed at NKU.

The last 30 semester credit hours must be completed at NKU.

Students transferring to NKU after failing a nursing class at another nursing school will be dismissed from NKU's B.S.N. program if they fail a nursing class at NKU (C- or below).

Progression:To continue to progress in the nursing program, students must maintain good academic standing and meet requirements as described below.

Students must maintain a GPA of at least 2.0 and achieve a grade of C or higher in all required nursing and support courses.

Students withdrawing from the nursing program for any reason are requested to have an exit interview with the program director and faculty advisor.

Students may repeat only one semester in which one or more nursing courses were failed. Students who have a second semester with a failing grade in nursing are dismissed from the traditional B.S.N. track and are ineligible for readmission until after two calendar years have passed from the date of the failure. A failure is considered a grade of C- or below.

If a didactic course has a clinical co-requisite course, both must be repeated concurrently.

Students are expected to progress sequentially through the nursing program. In order to be eligible to enroll in a succeeding nursing course, the student is required to meet all program requirements and academic standards.

Critical skills: Students are required to show ability to perform certain basic nursing skills during each semester. Failure to demonstrate continued ability to perform these skills will provide a basis for failure of the clinical component.

Students must concurrently take and pass nursing courses that are co-requisites. A student cannot advance to the next semester courses until the student is successful in all nursing courses in the current semester.

Students must complete the traditional B.S.N. track in 8 semesters.

Evolve® Curriculum Support: All students will participate in the Evolve® Curriculum Support Program. This is a commercial program that provides additional resources for student learning. It is composed of case studies, practice tests/quizzes, and standardized testing. Completion of these will be dictated by course syllabi, and standardized test scores will determine if remediation is required.

NRS 275 Remediation of Introductory Nursing Concepts (1 credit) will be required in the last 7 weeks of the 2nd semester for traditional BSN students who score below 900 on the Fundamentals HESI Specialty V1 or V2 exam.

NRS 400 Remediation of BSN Concepts I (1 credit) will be required in the last 7 weeks of the 5th semester for traditional BSN students who score below 900 on the Medical-Surgical HESI Specialty V1 exam.

NRS 475 Remediation of BSN Concepts (2 credits) will be required in the last 7 weeks of the final nursing semester for traditional and accelerated BSN students who score below 900 on the HESI-RN Exit V1 exam.

This course can be taken voluntarily by students who achieve over 900 on the HESI RN-Exit exam on a space available basis.

Academic leave: If a student identifies that there are situational or personal factors (this may include financial and medical reasons) that may preclude their academic success, they may request an academic leave [JM1] from the traditional B.S.N. track for a single semester. If approved, the student will be eligible to return to their current placement in the curriculum and will not be required to apply for readmission to the BSN track. The policy and procedures for an academic leave request are outlined in the BSN student handbook, which is available on Canvas. The student may apply for more than one academic leave; however, the leaves may not be back to back and the student must complete the traditional BSN track within 8 semesters.

Readmission:If a student has a first-time, one semester failure(s) in a nursing course, the student is eligible to reapply to the nursing program.

The student is required to submit an application for readmission and a letter supporting the request for readmission to the Admission, Progression, and Graduation Committee. The letter supporting the request for readmission must include the student's planned strategies for success in the nursing program.

Applications for readmission are considered on an individual and space-available basis.

The student applying for readmission may be required to have an interview with the program director or faculty advisor.

The program director may provide the student with a written list of previsions or specific conditions for the student to meet when recommended for readmission.

To be considered for readmission, a students in the 2nd semester of the program or above, must have at least a 2.0 GPA.

A student who did not successfully complete the first semester of the nursing program, must apply as a new student and meet all requirements listed under "Admission Requirements." (See B.S.N. student handbook.) A GPA of 3.0 or greater is required.

A student readmitted to the program is subject to the requirements of the catalog in effect for all nursing courses at the time of re-entry.

A student dismissed from the nursing program for a second nursing failure, may reapply after two calendar years have passed since the previous nursing failure, if the student meets current eligibility requirements. Students will then be considered as part of the applicant pool as a new student to begin the program from the beginning. (This is true of the B.S.N. and the A.B.S.N. tracks).

Student advising: Upon admission to the nursing program, the student is assigned to an academic advisor and is required to meet with the assigned advisor at least once each semester. Every student encouraged to maintain regular contact with their advisor so that progress and performance can be discussed and counsel provided as necessary.

DEGREE REQUIREMENTS (124 CREDITS)

♦ Indicates prerequisite.

Nursing courses = 69 credits

Pre-Requisite courses = 24 credits

Remaining FOKs = 24 credits

Additional Requirements (BIO 202/L, HIN 355) = 7 credits

Courses in Nursing (69 credits)

NRS 201 Transition to Nursing (1 credit)
NRS 210L Development of Clinical Nursing Skills (2 credits) ♦
NRS 215 Fundamental Concepts of Professional Nursing Practice (3 credits) ♦
NRS 220 Holistic Health Assessment of the Adult (2 credits) ♦
NRS 220L Holistic Health Assessment Laboratory (1 credit) ♦
NRS 215P Fundamentals of Professional Nursing Practicum (3 credits) ♦
NRS 250 Introduction to Medical-Surgical Nursing (3 credits) ♦
NRS 255 Pathopharm Concepts and Principles (4 credits) ♦
NRS 250P Introduction to Medical-Surgical Nursing Practicum (4 credits)
NRS 310 Concepts of Community and Public Health Nursing (3 credits) ♦
NRS 310P Concepts of Community and Public Health Nursing Practicum (2 credits)
NRS 330 Principles of Psychiatric and Mental Health Nursing (3 credits) ♦
NRS 330P Psychiatric and Mental Health Nursing Practicum (2 credits)
NRS 339L Clinical Reasoning I (1 credit) ♦
NRS 350 Intermediate Medical-Surgical Nursing (3 credits) ♦
NRS 350P Intermediate Medical-Surgical Nursing Practicum (2 credits)
NRS 360 Principles of OB and Newborn Nursing (3 credits) ♦
NRS 360P Principles of OB and Newborn Nursing Practicum (2 credits)
NRS 365 Foundations of Nursing Scholarship (3 credits) ♦
NRS 415 Principles of Pediatric Nursing (3 credits) ♦
NRS 415P Pediatric Nursing Practicum (2 credits)
NRS 425 Leadership Concepts in Nursing Practices (4 credits)
NRS 439L Clinical Reasoning II (1 credit) ♦
NRS 460P Nursing Capstone Project (3 Credits) ♦
NRS 450 Advanced Medical-Surgical Nursing (3 credits) ♦
NRS 450P Advanced Medical Surgical Practicum (2 credits)
NRS 465P Transition to the Professional Practice Role (4 credits) ♦

Courses in Other Disciplines (31 credits)

HIN 355 Foundations of Health Informatics (3 credits) *
BIO 126 Human Nutrition - NS (3 credits) ♦ *
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦ *
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits) *
BIO 209 Human Anatomy and Physiology II (4 credits) ♦ *
BIO 209L Human Anatomy and Physiology II Laboratory (0 credits) *
CHE 115 Physiological Chemistry - NS (3 credits) ♦ *
CHE 115L Physiological Chemistry Laboratory - SL (1 credit) *
BIO 202 Microbiology for Health Professionals (4 credits) ♦ *
BIO 202L Microbiology for Health Professionals Laboratory (0 credits) *
PSY 100 Introduction to Psychology - SB (3 credits) *
STA 205 Statistical Methods - QR (3 credits) ♦ *
OR
STA 205R Statistical Methods with Recitation - QR (3 credits) *

PSY 321 Lifespan Development (3 credits) ♦ *
OR
EDU 300 Human Growth and Development (3 credits) ♦ *

Note:

*These courses are prerequisites and co-requisites for other program courses. NKU graduates are required to earn 120 credit hours. Nursing graduates typically graduate with 121-124 credit hours, which includes the Foundation of Knowledge general education requirements.

The following courses are required for students who do not benchmark on specific HESI standardized exams:

NRS 275 Remediation of Intro Nursing Concepts (1 credit)
NRS 400 Remediation of BSN Concepts I (1 credit) ♦
NRS 475 Remediation of BSN Concepts (2 Credits)

BACHELOR OF SOCIAL WORK

Social Work, B.S.W.

Bachelor of Social Work (BSW)

The Bachelor of Social Work (BSW) is a four-year program that prepares students for generalist practice with diverse populations in diverse settings. The curriculum focuses on teaching the knowledge, skills, and values needed to effectively work with diverse individuals, families, groups, organizations, and communities. Students will complete course work related to human behavior theory, policy, community organization, research, and practice with individuals, families, and groups. The social work values of self-determination and the worth and dignity of all people form the foundation of the curriculum.

Four-Year Plan: Click here to view the Four-Year Plan for this specific program. To find out more about Four-Year Plans, visit the Policies and Procedures page.

See page 43-44 of this document

Path to the BSW degree:

The path to the BSW degree involves 4 main steps/phases.

Phase 0: Declare Social Work as your Major & Meet with your Advisor
Phase 1: Complete Required Social Work Pre-Requisites & Take Social Work Electives
Phase 2: Complete Core Social Work Courses & Continue to Take Social Work Electives
Phase 3: Complete your Field Placement & Finish Up Social Work Electives

PHASE 0: Students interested in the social work profession should declare Social Work as their major and meet with their advisor.

PHASE 1: Social work majors must complete 6 required pre-requisite courses with a grade of C- or higher. These 6 pre-requisites are as follows:

SWK 105 Social Work & the Community - SB (3 credits)
SWK 106 Introduction to Social Justice - AH (3 credits)
SWK 204 Social Work Ethics (3 credits)
SWK 205 Inclusion, Oppression, & Social Work 3 credits
SWK 206 Professional Social Work Communication (3 credits)
Statistics (3 credits)

PHASE 2: Once students have completed the 6 pre-requisite courses with a grade of C- or higher (as outlined in Phase 1), AND have maintained a minimum overall GPA of 2.75, then students are ready to enter Phase 2, which involves completing the restricted, core social work courses. Students will complete a total of 8 core social work courses over the span of 2 semesters.

PHASE 3: In order to enter Phase 3, students must have a cumulative GPA of at least 2.75 and must have completed all core social work courses with a grade of C- or higher. During Phase 3 of the social work journey, students complete their field placement. This is where students apply what they have learned in the classroom within a community-based agency. This experience fosters empirical and practice-based knowledge integration. Field placements are chosen by students in collaboration with the field director. Students will complete a total of 400 hours at their field placement over the span of their final semester at NKU. This is the equivalent of approximately 25 hours per week. While completing these field placement hours, students are also enrolled in two 5-credit hour courses (SWK 406 and SWK 408). These field instruction courses are intended to enhance and compliment the learning that is occurring within the community-based agency.

In addition to the core social work courses, students must also complete a total of 9 credit hours of social work electives. We offer electives in the areas of forensic social work, police social work, child welfare, substance abuse, mental health, social justice, family-directed structural model, gerontology, veteran services, and others. Based on the needs of the community and the social work profession, we continuously re-evaluate, update, and add electives.

You should also know:

Some social service agencies may require field students and potential employees to undergo criminal background checks by an external agency. Also, some agencies may deny students and graduates convicted of felonies and certain misdemeanors. In addition, obtaining licensure may be more challenging for individuals convicted of felonies and certain misdemeanors.

Special retention requirements: Students may be dismissed from the social work program based on the following:

Academic performance below the acceptable level of an overall GPA of at least 2.75 or less than the grade of *C-* in any social work or supportive required courses.
Behavior inappropriate or detrimental in a professional relationship, including criminal convictions.
Violation of NKU's Student Code of Rights and Responsibilities.

Violation of the National Association of Social Workers' Code of Ethics.

Special opportunities for our BSW students:

Public Child Welfare Certification Program (PCWCP). PCWCP is a selective-admission, pre-employment opportunity for social work majors that pays in-state tuition for the last three or four semesters and per-semester stipend benefits. PCWCP is a statewide collaboration among the Kentucky Cabinet for Health and Family Services and 11 Kentucky university social work programs. The purpose of the program is to provide BSW students the opportunity to receive advanced training in the area of child welfare protection and permanency. After graduation, PCWCP students are required to become employed by the Kentucky Department of Health & Family Services, Department of Child Protection & Permanency for a minimum of two years.

Scholarship opportunities for social work majors. Information is available from the Office of Student Financial Assistance.

Micro-credentials in specific social work areas:

Forensic Social Work
Gerontology

Special opportunities for BSW graduates:

Ability to apply for admission to the advanced standing, one-year MSW program (30 credit hours instead of 60 credit hours).

Ability to obtain professional state social work license.

DEGREE REQUIREMENTS (61 CREDITS)

Core Courses

SWK 105 Social Work & the Community - SB (3 credits)
SWK 106 Introduction to Social Justice - AH (3 credits)
SWK 204 Social Work Ethics (3 credits)
SWK 205 Inclusion, Oppression, & Social Work 3 credits
SWK 206 Professional Social Work Communication (3 credits)
Select 3 STA credit hours (3 credits)
SWK 303 Professional Interactional Skills (3 credits) ♦
SWK 304 Human Behavior in Childhood (3 credits) ♦
SWK 305 Practice with Individuals (3 credits) ♦
SWK 306 Contemporary Social Welfare Policy (3 credits) ♦
SWK 307 Human Behavior in Adulthood (3 credits) ♦
SWK 308 Social Work Research (3 credits) ♦
SWK 310 Practice with Families & Groups (3 credits) ♦
SWK 311 Practice with Communities & Organizations (3 credits) ♦
SWK 406 Field Experience I (5 credits) ♦
SWK 408 Field Experience II (5 credits) ♦

Select 9 credit hours from the following (9 credits)

SWK 394 Special Topics: Social Welfare (1-3 credits)
SWK 410 Child Abuse (3 credits)
SWK 415 Child Welfare PCWCP I (3 credits)
SWK 416 Child Welfare PCWCP II (3 credits) ♦
SWK 474 Safety in Social Work Practice (1-4 credits) ♦
SWK 494 Special Topics: Bachelor of Social Work (1-3 credits) ♦
SWK 499 Independent Study (1-6 credits) ♦
SWK 525 Substance Use & Misuse (3 credits)
SWK 565 Compassion, Empathy & Forgiveness (3 credits)
SWK 568 Family-Directed Structural Model (3 credits) ♦
SWK 572 Forensic Social Work (3 credits) ♦
SWK 576 Social Work & the Law (3 credits)
SWK 577 Social Work in Law Enforcement Settings 3 credit hours
SWK 578 Aging & Mental Health (3 credits)
SWK 579 Gerontology (3 credits) ♦
SWK 594 Special Topics: Issues in Social Work (1-4 credits)
SWK 595 Social Work Study Abroad Topics 1-6 credit hours

PRE-PROFESSIONAL

Pre-Dental

Dental programs, like medical programs, admit students who are liberally educated with strong mathematics and science backgrounds. Students who wish to pursue careers in dentistry often choose majors in the natural sciences and mathematics, but they may fulfill their admission requirements with any degree, provided they fulfill the specific dental school course requirements. Students interested in dentistry should work closely with a pre-dentistry advisor who will help ensure they complete the specific requirements for their desired programs and their NKU bachelor's degrees. The biological sciences and chemistry departments have faculty who are dedicated pre-dental advisors.

Coursework

Pre-dental students at NKU often choose majors in biological sciences (cellular/molecular/genetics track) or chemistry & biochemistry (biochemistry track) because these degrees include all the requirements for entry into dental schools. Students who choose non-science majors should complete electives at the 300/400/500 level and above in courses such as cell biology, biochemistry, molecular biology, physiology, and genetics. Requirements for dental schools generally include:

Two semesters of biology with labs (some schools require an additional two semesters of biology courses at the 300/400/500 level).
Two semesters of inorganic/general chemistry with labs.
Two semesters of organic chemistry with labs.
One semester of physics with labs.
Two semesters of English/composition courses (discipline-specific 291W/391W courses are accepted).

AP credit

AP credit may be treated differently by specific dental programs regardless of how the credit is treated by NKU. Students who have AP credit and who wish to attend professional programs should work closely with their advisors.

First-year plan

Because students can pursue any degree program to prepare for dental school, only the first year of recommended study is shown below. To see four-year plans in particular areas (such as biological sciences or chemistry), please see those particular degree programs.

♦ Indicates prerequisite.

FIRST YEAR

Fall Semester (14-15 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 112 Applied Calculus (3 credits) ♦ (biology only)

Gen E: Written Communication (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

Spring Semester (14 or 16 credits)

CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦

MAT 229 Calculus II (5 credits) ♦ (chemistry)
OR
STA 205 Statistical Methods - QR (3 credits) ♦ (biology)

Gen Ed Oral Communication (3 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Pre-Engineering

NKU, in conjunction with the University of Kentucky, offers students the opportunity to pursue a degree in biosystems, chemical/materials, civil, computer/electrical, mechanical, or mining engineering and computer science. Similar arrangements exist with the JB Speed School of Engineering at the University of Louisville. At University of Louisville, there are programs leading to degrees in Bio, chemical, civil, computer, electrical, industrial, and mechanical engineering as well an integrated five-year program leading to the Master of Engineering degree.

Pre-engineering students may elect to follow a three/two agreement that leads to the award of a degree in physics from NKU and the award of a degree in a field of engineering from the program and institution of choice. Alternatively, a student may elect to study at NKU for two years of coursework then transfer to another institution to complete the requirements for the B.S. in a field of engineering in two years without a physics degree from NKU.

Pre-engineers must contact the Department of Physics and Geology to obtain an academic advisor. Most pre-engineering students will be expected to complete at least this group of courses at NKU before transfer to a degree program in engineering:

One year of English composition.
Three semesters of calculus-based physics with lab.
Two years of calculus and differential equations.
One year of chemistry.
Courses in computer graphics, general education, and introduction to engineering and design.

More information is available about pre-engineering and related programs in the catalog section for physics and geology.

ENGINEERING

Engineering is the profession in which the knowledge of the mathematical and natural sciences gained by study, experience, and practice is applied with judgment to develop ways to use economically the materials and forces of nature for the benefit of mankind (ABET, Inc., 2002).

Hence, engineering and the practice of engineers refer to activities that involve the beneficial application of scientific knowledge to the solution of problems. Notice that this application includes economic considerations, uses of materials (for example, resources), and the forces of nature. Additionally, engineering is a profession. Webster notes that a profession is "the body of people in a learned occupation." Engineers have a specialized charge of using knowledge, experience, and creativity, to tackle and systematically design solutions to challenges and problems.

The student who graduates with a Bachelor of Science in engineering will complete study of mathematics courses through differential equations, basic classes in chemistry and calculus-based physics, and the normal set of general-education classes during the whole of the first two years of college. During the second year the engineering student will start the study of coursework (for example, statics or dynamics) that bridges the gap between these basic sciences and the engineering applications of the knowledge of the basic sciences. The last two years will be completed at a campus such as the University of Kentucky or the University of Louisville. These last two years of courses are largely devoted to the study of engineering applications of science and mathematics to the matters of the student's chosen engineering discipline. These courses involve design of solutions culminating with a senior design course and project that are specific to the discipline.

Biosystems, Chemical, Computer, Electrical, Materials, and Mining Engineering

Students who expect to transfer to engineering degree programs such as biosystems, chemical, computer, electrical, materials and mining engineering should complete the courses from the following list depending upon their choice of engineering plus general education courses. Pre-engineering students should contact the director of pre-engineering for the selection of courses

based on their choice of engineering.
♦ Indicates prerequisite.

Recommended Courses for Transfer to a B.S. Engineering Degree Program

Biosystems Engineering

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
MAT 329 Calculus III (4 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
PHY 305 Statics (3 credits) ♦
PHY 310 Dynamics (3 credits) ♦
BIO 151 Introduction to Biology II (4 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
EGT 212 Computer-Aided Drafting and Design (3 credits) *

Select 6 credit hours

General education courses (6 credits)

Note:

* Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.

Chemical Engineering

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
MAT 329 Calculus III (4 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
CHE 360 Physical Chemistry I (3 credits) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
EGT 212 Computer-Aided Drafting and Design (3 credits) *

Select 6 credit hours

General education courses (6 credits)

Note:

* Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.

Computer and Electrical Engineering

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
CSC 364 Data Structures and Algorithms (3 credits) ♦ *
EGT 212 Computer-Aided Drafting and Design (3 credits) **

Select 6 credit hours

General education courses (6 credits)

Note:

* For Computer Science

** Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.

Materials Engineering

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
PHY 305 Statics (3 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦

CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
EGT 212 Computer-Aided Drafting and Design (3 credits) *

Select 6 credit hours

General education courses (6 credits)

Note:

* Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.

Mining Engineering

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
PHY 305 Statics (3 credits) ♦
PHY 310 Dynamics (3 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
EGT 212 Computer-Aided Drafting and Design (3 credits) *

Select 6 credit hours

General education courses (6 credits)

Note:

* Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.

TRANSFER AND DEGREE COMPLETION

Transferring from NKU to engineering degree programs elsewhere generally requires at least two years of study at NKU and then an additional two (or more) years of study after transfer to the engineering degree program at the institution of choice. NKU has transfer programs with the College of Engineering at the University of Kentucky and with JB Speed School of Engineering at the University of Louisville. Students may elect to transfer to other schools or colleges of engineering. Grades of C or better are required for successful transfer of credit. The director of pre-engineering will assist in the transfer for all pre-engineering students.

At the bachelor's degree level at UK, ABET-accredited degrees are offered in the fields of biosystems, chemical, civil, computer, electrical, materials, mechanical, and mining engineering. At JB Speed School of Engineering at the University of Louisville, ABET-accredited degrees are offered in Bio, chemical, civil, computer, electrical, industrial, and mechanical engineering as well an integrated five-year program leading to the Master of Engineering degree.

Dual-degree option for pre-engineers

Pre-engineers have the opportunity to earn a bachelors degree in physics from NKU if they complete three years of study at NKU prior to transferring to an engineering school. The fourth-year requirements for the NKU degree in physics are obtained after transferring course credits (up to 30 credits) to NKU that was earned at the engineering school. This dual-degree program (one bachelor's degree from NKU, the other from an engineering school) should be coordinated with the department chair prior to transfer from NKU. The following engineering disciplines are recommended for dual-degree option.

Civil and Mechanical Engineering

Students who expect to transfer to engineering degree programs such as civil and mechanical engineering should complete the courses from the following list depending upon their choice of engineering plus general education courses. Pre-engineering students should contact the director of pre-engineering for the selection of courses based on their choice of engineering.

♦ Indicates prerequisite.

Recommended Courses for Transfer to a B.S. Engineering Degree Program

Core Courses

MAT 129 Calculus I - QR (4 credits) ♦
MAT 229 Calculus II (5 credits) ♦
MAT 329 Calculus III (4 credits) ♦
MAT 325 Differential Equations (3 credits) ♦
MAT 234 Linear Algebra (3 credits) ♦
PHY 100 Science, Engineering, and Design (1 credit)
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦
PHY 222 University Physics with Laboratory II (4 credits) ♦
PHY 224 University Physics with Laboratory III (4 credits) ♦
PHY 305 Statics (3 credits) ♦
PHY 310 Dynamics (3 credits) ♦
PHY 360 Thermodynamics (3 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)
CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
ENG 101 Writing for College and Beyond - WC (3 credits) ♦
ENG 102 Writing and Research - WC (3 credits) ♦

ENG 347 Technical Writing (3 credits) ♦
CMST 101 Public Speaking - OC (3 credits)
EGT 212 Computer-Aided Drafting and Design (3 credits) *
ECO 101 Principles of Microeconomics - SB (3 credits) ♦ **

Additional Courses Required for Physics Degree

PHY 300 Intermediate Physics Laboratory (2 credits)
PHY 361 Modern Physics I (3 credits) ♦
PHY 393 Physics Seminar (1 credit) ♦

Note:

* Recommended for students who wish to co-op in the area. EGT 212 uses the same design software as UK/UofL, but EGT 212 will not transfer to UK/UofL as engineering credit. However, the co-op experience will transfer.
** Recommended as part of the general education requirements.

Select 9 - 12 credit hours

General education courses (9-12 credits)

Pre-Forestry

Students interested in forestry may take their first two years of coursework at NKU and then finish work for the bachelor's degree in forestry at a forestry school. Realizing that many students do not go on to forestry school for one reason or another, the department recommends that students follow a B.S. or B.A. track. By so doing, it is likely that little if any credit will be lost if a change of direction does occur. In addition to pre-professional requirements, students will have to complete general education requirements for the school they will attend.

At the earliest opportunity, students should schedule an appointment with an advisor and consult the catalogs or websites of any forestry schools that they plan to consider. The curriculum plan for general biology may be used as a guide for planning the first year of coursework.

♦ Indicates prerequisite.

PRE-PROFESSIONAL REQUIREMENTS

Pre-professional requirements for the forestry school at the University of Kentucky include the following:

MAT 119 Pre-Calculus Mathematics (3 credits) ♦
MAT 129 Calculus I - QR (4 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 121 General Chemistry II (3 credits) ♦
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 155 Orientation to Biology (1 credit) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
AEC Economics of Food and Agriculture (to be taken at UK)
GEO 306 Environmental Resource Management (3 credits) ♦

STA 340 Probability II (3 credits) ♦
OR
SOC 355 Sociology of the Environment (3 credits)

Pre-Medical or Physician Assistant

Students who wish to pursue careers in medicine, including osteopathic medicine, and students who wish to become a physician's assistant may fulfill their admission requirements with any degree provided they fulfill the specific course requirements of those professional programs. Students interested in medicine should work closely with their advisors who will help ensure they complete the specific requirements for their desired programs and their NKU bachelor's degrees. Some departments, such as biological sciences and chemistry, have faculty who are dedicated pre-med advisors.

Coursework

The two most common degrees sought by pre-med students at NKU are in biological sciences (cellular/molecular/genetics track) and chemistry & biochemistry (biochemistry track). However, regardless of the major a student chooses, the requirements for entry into medical school are met by completing the courses listed below. It is recommended that non-science majors complete several electives at the 300/400/500 level in biology, chemistry, or related disciplines. In addition, courses in mathematics, behavioral and social sciences, and the humanities, provide excellent preparation for medical study. Requirements for professional medical programs generally include:

One year of biology with labs.
One year of inorganic/general chemistry with labs.
One year of organic chemistry with labs.
One year of physics with labs.
One year of English/composition courses (discipline-specific 291W/391W courses are accepted).
Mathematics (varies with programs; usually two semesters of mathematics required).

Recommended for Medical College Admissions Test (MCAT)

One semester of Introductory Psychology
One semester of Introduction to Sociology
One semester of Biochemistry
One semester of Cell Biology
One semester of Statistics

AP credit

AP credit is treated differently by specific medical and osteopathic programs regardless of how the credit is treated by NKU. Students who have AP credit and who wish to attend professional programs should work closely with their advisors.

First-year plan

Because students can pursue any degree program to prepare for medical school, only the first year of recommended study is shown below. To see four-year plans in particular areas (such as biological

sciences or chemistry), please see those particular degree programs.

♦ Indicates prerequisite.

FIRST YEAR

Fall Semester (14-15 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 112 Applied Calculus (3 credits) ♦ (biology only)

Gen Ed Written Communication (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

Spring Semester (14-16 credits)

CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦

MAT 229 Calculus II (5 credits) ♦ (chemistry)
OR
STA 205 Statistical Methods - QR (3 credits) ♦ (biology)

Gen Ed Oral Communication (3 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Pre-Optometry

Students intending to enter the field of optometry should consult with the pre-optometry advisor in planning their curriculum. In general, the Bachelor of Science, cellular/molecular/genetics track with calculus (MAT 129) in biological sciences or the biochemistry track in chemistry are useful models. For up-to-date information, students should check current catalogs or websites of the professional schools to which they intend to apply and work closely with an NKU advisor who specializes in advising for this area. Students should seek an advisor in biological sciences or chemistry & biochemistry.

Pre-Pharmacy

Some pharmacy schools accept students with or without their completing a bachelor's degree, but many pharmacy schools are converting to Pharm.D. programs that require a bachelor's degree for admission. For those schools that do not yet require a bachelor's degree, students who enter NKU are able to start their science courses right away, or students who have AP credit hours can complete the entry requirements in just two years, but more commonly, students require three years. Even for pharmacy schools that do not require a bachelor's degree for admission, advisors generally recommend that students fully complete their bachelor's degrees both to better prepare students for the rigors of pharmacy school and to give them maximal flexibility in their future career directions. Both the Department of Biological Sciences and the Department of Chemistry & Biochemistry have faculty advisors who specialize in pre-pharmacy advising. In addition, there are specialty tracks in both departments that facilitate the completion of a bachelor's degree after three years of NKU coursework coupled with transferring courses back from selected pharmacy programs. These tracks require careful planning, so interested students should work with their advisors as early in their NKU careers as possible.

Coursework

The following coursework is generally required for admission to pharmacy school:

Two semesters of biology with labs.
One semester of microbiology with lab.
One semester of anatomy and physiology with lab.
Two semesters of inorganic/general chemistry with labs.
Two semesters of organic chemistry with labs.
One semester of calculus.
One semester of statistics.
Two semesters of physics with labs.
Two semesters of English/composition courses (discipline-specific 291W courses are accepted).

Two-year plan

Following is shown one example of how to complete a common core of requirements in two years. Because requirements vary slightly between pharmacy programs, students are urged to work very closely with their advisors and plan accordingly. Please see four-year plans in particular areas of interest (such as biological sciences or chemistry & biochemistry) to see how the pre-pharmacy requirements can be met concurrently with the requirements for a bachelor's degree.

♦ Indicates prerequisite.

FIRST YEAR

Fall Semester (14-15 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 112 Applied Calculus (3 credits) ♦ (biology only)

Gen Ed Written Communication I (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

Spring Semester (14 credits)

CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
Gen Ed Oral Communication (3 credits)

BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

SECOND YEAR

Fall Semester (17 credits)

CHE 310 Organic Chemistry I (3 credits) ♦
CHE 310L Organic Chemistry I Laboratory (1 credit) ♦
PHY 211 General Physics with Laboratory I - SL (4 credits) ♦
BIO 302 General Microbiology (4 credits) ♦
BIO 302L General Microbiology Laboratory (0 credits)
ECO 101 Principles of Microeconomics - SB (3 credits) ♦

Spring Semester (16 credits)

CHE 311 Organic Chemistry II (3 credits) ♦
CHE 311L Organic Chemistry II Laboratory (1 credit) ♦
PHY 213 General Physics with Laboratory II (4 credits) ♦
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
Gen Ed Written Communication II (3 credits)

Pre-Physical Therapy

Students interested in a career in physical therapy may complete their pre-professional coursework at NKU. For most physical therapy schools the requirement is a bachelor's degree that includes specified pre-professional coursework. For up-to-date information, students should check current catalogs or websites of the professional schools to which they intend to apply and work closely with an NKU advisor who specializes in advising for this area. Students should seek an advisor in biological sciences or chemistry & biochemistry.

Coursework

The following coursework is generally required for admission to a physical therapy program:

Two semesters of biology with labs.
Two semesters of inorganic/general chemistry with labs.
One semester of statistics.
One semester of medical terminology.
Two semesters of physics with labs.
One semester of oral communication.
One semester of introduction to psychology.
One semester of developmental psychology.

First-year plan

Because requirements vary slightly between physical therapy programs, students are urged to work very closely with their advisors to plan their program. Four-year plans in particular areas of interest (such as biological sciences or chemistry) show how the pre-physical therapy requirements can be met concurrently with the requirements for a bachelor's degree. Only the first year of recommended study is shown below.

♦ Indicates prerequisite.

FIRST YEAR

Fall Semester (14-15 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 112 Applied Calculus (3 credits) ♦ (biology only)

Gen Ed Written Communication (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

Spring Semester (14 credits)

CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦
STA 205 Statistical Methods - QR (3 credits) ♦
Gen Ed Oral Communication (3 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Pre-Veterinary Medicine

Although Kentucky does not have a school of veterinary medicine, a limited number of students who are residents of Kentucky are selected to enter training in veterinary medicine at Auburn University in Auburn, Ala., and Tuskegee University in Tuskegee, Ala. It is sometimes possible to enter veterinary school with three years of study at NKU. However, because many more students apply to veterinary schools than are accepted, it is strongly advised that all pre-vet students plan their curricula in such a way that the addition of a fourth year of coursework will satisfy NKU's requirements for the bachelor's degree, usually in biological sciences or chemistry & biochemistry. To design a four-year curriculum that fulfills the pre-veterinary requirements and the requirements for a bachelor's degree, interested students should work closely with their advisors.

Coursework

Pre-veterinary students typically follow degree tracks for biological sciences (cellular/molecular/genetics track) or chemistry & biochemistry (biochemistry track), but any track will work as long as the veterinary entry requirements are met. It is recommended that non-science majors complete several electives at the 300/400/500 level in biology, chemistry or related disciplines to their degree programs. Program requirements for veterinary medicine generally include:

One year of biology with labs plus two additional semesters of biology courses from a list of alternatives.
One year of inorganic/general chemistry with labs.
One year of organic chemistry with labs.
One year of physics with labs.
One year of English/composition courses (discipline-specific 291W courses are accepted).
One semester of mathematics.

One semester of biochemistry plus one semester of animal nutrition.

Humanities, fine arts, social, and behavioral electives.

AP credit

AP credit is treated differently by specific veterinary programs regardless of how the credit is treated by NKU. Students who have AP credit and who wish to attend professional programs should work closely with their advisors.

First-year plan

Because students can pursue any degree program to prepare for veterinary school, only the first year of recommended study is shown below. To see four-year plans in particular areas (such as biological sciences or chemistry), please see those particular degree programs.

FIRST YEAR

Fall Semester (14-15 credits)

CHE 120 General Chemistry I - NS (3 credits) ♦
CHE 120L General Chemistry I Laboratory - SL (1 credit)

MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 112 Applied Calculus (3 credits) ♦ (biology only)

Gen Ed Written Communication (3 credits)
BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)

Spring Semester (14-16 credits)

CHE 121 General Chemistry II (3 credits) ♦
CHE 121L General Chemistry II Laboratory (1 credit) ♦

MAT 229 Calculus II (5 credits) ♦ (chemistry)
OR
STA 205 Statistical Methods - QR (3 credits) ♦ (biology)

Gen Ed Oral Communication (3 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Pre-Wildlife Management

Students interested in wildlife management may complete their first two years of coursework at NKU and then finish work for the bachelor's degree in wildlife management at a university offering such a degree. Realizing that many students do not go on to a wildlife management program for one reason or another, they are advised to follow a B.S. or B.A. track. By so doing it is likely that little if any credit will be lost if a change of direction does occur. At the earliest opportunity, students should consult the catalog or website for the wildlife management program they plan to attend and work with an NKU advisor to make certain that minimum requirements for admission are met.

TEACHING CERTIFICATION

Earth and Space Science for Secondary Education Certificate

Preparation for certification to teach Earth and space science at the secondary level requires completion of the Bachelor of Arts in geology plus 11 hours of astronomy courses. Detailed program requirements can be found under "secondary education 8-12" in the College of Education and Human Services section of this catalog. Students interested in this program should declare a major in geology and consult with the director of the geology program and the certification specialist in the College of Education and Human Services.

UNDERGRADUATE CERTIFICATE

Computer-Aided Design/Drafting (CADD) Certificate

REQUIREMENTS FOR CERTIFICATE (21 CREDITS)

The CADD certificate is a component of the Mechanical and Manufacturing Engineering Technology bachelor degree program. It consists of a number of courses that allow individuals to meet the need for manufacturers and/or innovators in the region. Knowledge and skills gained through this certificate program will allow individuals to convey their ideas into a manufactureable drawing. Students taking these courses can design, make solid models, and create finite element analysis models necessary to test the models.

♦ Indicates prerequisite.

EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 265 Manufacturing Processes and Metrology (3 credits) ♦
EGT 362 Tool Design and Computer Aided Manufacturing (3 credits) ♦
EGT 365 CNC & Manufacturing Process Planning (3 credits) ♦
EGT 412 Advanced CADD (3 credits) ♦
EGT 462 Finite Element Modeling (3 credits) ♦
MAT 119 Pre-Calculus Mathematics (3 credits) ♦

Cybersecurity Certificate

Available in both traditional and fully-online formats.

This certificate is for students wanting to earn academic credentials in computer security. The required courses in this program will all be offered *online*, thus allowing a greater flexibility in being able to complete this certificate. The job market is growing rapidly for people able to effectively secure computers. Computer security is a very challenging technical field, requiring hands-on knowledge of a broad range of technologies as well as an effective understanding of government laws and policies related to computer crime. Students completing this program will have

demonstrated an understanding of all NSA-specified core knowledge units of computer security.

♦ Indicates prerequisite.

REQUIREMENTS FOR CERTIFICATE (22 CREDITS)

BIS 382 Information Security Management (3 credits) ♦
CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
CYS 285 Cybersecurity Fundamentals (3 credits)
CIT 371 Unix Systems (3 credits) ♦
CYS 485 Cybersecurity Analysis II (3 credits) ♦

CIT 247 Networking Fundamentals (3 credits) ♦
OR
INF 284 Introduction to Computer Networks (3 credits) ♦

INF 282 Introduction to Databases (3 credits) ♦
OR
CSC 350 Database Programming (3 credits) ♦

Software Development Certificate

This certificate concentrates on the core areas of computer programming and related technologies that prepare students to become proficient software developers.

The program is designed for individuals with various backgrounds who wish to retrain for employment in this high-demand field as well as for those who, for financial or other reasons, cannot complete a full 120-hour bachelor's degree yet still wish to have a certificate as a credential for employment purposes.

It is recommended that students who plan to enroll in this certificate program have completed at least an introductory course in computer programming (so that they can gauge their interest and ability) and have a mathematics ACT score of at least 24 or equivalent. In this case, the certificate will require 18 credit hours of coursework, with no mathematics.

♦ Indicates prerequisite.

REQUIREMENTS FOR CERTIFICATE (18-21 CREDITS)

Core Requirements

CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦
CSC 364 Data Structures and Algorithms (3 credits) ♦
INF 120 Elementary Programming - NS (3 credits) ♦ (or placement)
INF 282 Introduction to Databases (3 credits) ♦

Select two courses from the following (6 credits)

ASE 230 Server-Side Programming (3 credits) ♦
CSC 362 Computer Systems (3 credits) ♦
CSC 402 Advanced Programming Methods (3 credits) ♦
CSC 439 Software Testing and Maintenance (3 credits) ♦
ASE 456 Cross-Platform Development (3 credits) ♦

Technological Leadership and Innovation Certificate

The technological leadership and innovation certificate program helps develop an understanding of the method for managing technology as a global strategic resource. It examines how industries are transformed by new technologies and develops an understanding of the process, roles, and rewards of technological innovation.

It integrates content from strategy and policy, organizational behavior, engineering operations, marketing research and development. The relationship of technology with strategic planning, marketing, finance, engineering, and manufacturing is integrated. Service, societal issues, and international policy issues are covered in some courses.

♦ Indicates prerequisite.

REQUIREMENTS FOR CERTIFICATE (21 CREDITS)

EGT 211 Quality Control (3 credits) ♦
EGT 318 Introduction to Nanotechnology (3 credits) ♦
EGT 321 Productivity Management, Scheduling, and Planning (3 credits) ♦
ENTP 201 Entrepreneurial Mindset (3 credits)
ENTP 376 New Venture Financing (3 credits) ♦
LDR 205 Human Relations in Organizations (3 credits)
LDR 308 Leadership Development (3 credits) ♦

Transformational Thinking for Community and Career

The certificate in Transformational Thinking for Community and Career offers learners a 15-credit-hours general education pathway that prepares them to respond to real-world challenges in professional and personal settings. Students pursuing this pathway select sections of courses designated with an S, which emphasize portable skills in writing, public speaking, and problem solving. Upon completion of this certificate, students will have acquired cultural knowledge, intercultural competencies, and creative thinking skills.

MINOR

3D Digital Design and Visual Effects Minor

The 3D Digital Design and Visual Effects minor introduces the students to the skills and knowledge set that serve as the foundation for designing effective user experiences with websites, apps, 3D animation, and videogame design.

DFX minors must earn a letter grade of *C-* or better as well as a 2.0 GPA in their minor courses. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS, PLUS 3 FOUNDATION OF KNOWLEDGE CREDITS)

Foundation of Knowledge coursework (3 credits)

Take INF 120 to fulfill the Natural Science requirement.

INF 120 Elementary Programming - NS (3 credits) ♦

Core Requirements (15 credits)

EMB 140 Introduction to Media Aesthetics (3 credits)
INF 286 Introduction to Web Development (3 credits) ♦
DFX 221 Visual Fundamentals for Digital Media (3 credits) ♦
DFX 240 Introduction to Interactive Media (3 credits) ♦
DFX 244 Principles of Digital 3D Animation (3 credits) ♦

Select two courses from the following (6 credits)

Select two additional DFX prefix courses.

Accounting Minor

The required courses in accounting provide a general introduction to accounting in organizations. Elective courses allow students to pursue their own particular interests in the discipline. Courses that are counted in partial fulfillment of the B.S.B.A. General Business major may not be counted as fulfilling part of the accounting minor.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be satisfied IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (23 CREDITS)

Core Requirements

ACC 200 Introductory Financial Accounting (3 credits) ♦
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦
ACC 202 Analysis of Accounting Information (1 credit) ♦
ACC 300 Intermediate Accounting I (3 credits) ♦

Electives - select four courses from the following (12 credits)

ACC 301 Intermediate Accounting II (3 credits) ♦
ACC 310 Accounting Information Systems (3 credits) ♦
ACC 320 Intro to Business & Individual Taxation (3 credits) ♦
ACC 330 Fraud Examination (3 credits) ♦
ACC 350 Management Cost Accounting I (3 credits) ♦
ACC 400 Auditing (3 credits) ♦
ACC 420 Advanced Tax Planning (3 credits) ♦
ACC 430 Advanced Accounting (3 credits) ♦
ACC 550 Management Cost Accounting II (3 credits) ♦

Advanced Technology Minor

The minor in advanced technology is designed to supplement the knowledge and expertise of students majoring in one of the STEM fields who have an interest in microsystems, nanotechnology and other emerging technologies. Students majoring in MMET are not eligible for this minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

EGT 161 DC Circuit Analysis (3 credits) ♦
EGT 261 Engineering Materials (3 credits) ♦
EGT 280 Introduction to Microtechnology (3 credits) ♦
EGT 310 Project Management and Problem Solving (3 credits) ♦
EGT 318 Introduction to Nanotechnology (3 credits) ♦
EGT 386 Electro-Mechanical Instrumentation and Control (3 credits) ♦
STA 205 Statistical Methods - QR (3 credits) ♦

American Sign Language and Deaf Studies Minor

The American Sign Language (ASL) and Deaf Studies Minor expose students to the Deaf and Hard-of-Hearing community, including the culture, history, and language of ASL. The minor will foster students' language development and their relationships with different communities that are part of linguistic minorities both in the United States and globally.

REQUIRED COURSES (21 CREDITS)

ASL 110 Beginning American Sign Language I (3 credits)
ASL 111 Beginning American Sign Language II (3 credits) ♦
ASL 201 American Sign Language III (3 credits) ♦
ASL 202 American Sign Language IV (3 credits)
ASL 326 Deaf Culture and Community (3 credits) ♦
ASL 327 Deaf History in America (3 credits) ♦
ASL 400 Aspects of Deaf Life (3 credits) ♦

Ancient Civilizations Minor

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: voelkerj1@nku.edu
Web Address: http://artscience.nku.edu/departments/sapdept/anthropology/undergraduate-programs/ancient-civilizations-minor.html
Program Director: Judy Voelker, Department of Sociology, Anthropology, and Philosophy

The study of ancient human civilizations is both one of the most challenging and most rewarding fields of scholarly endeavor. Successful research across such a depth of time demands an interdisciplinary approach that draws upon a variety of fields, including anthropology, archaeology, art, classics, English, history, philosophy, political science, religious studies, theatre, world languages, and others.

Students and scholars who are willing to undertake such study are rewarded with insights into the period of human society when crucial steps were made in constructing the foundations for the modern world. It was, after all, in the ancient world that the building blocks of contemporary religions, languages, social systems, and technologies were laid down.

The ancient civilizations minor is built around a shared core of 6 credit hours and the choice of three independent tracks that allow students to design a minor tailored to their own scholarly interests and needs.

♦ Indicates prerequisite.

These prerequisites must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (6 CREDITS)

Core Courses

HIS 108 World History to 1500 (3 credits)
ANT 380 Origins of Civilization (3 credits) ♦

CLASSICS AND NEAR EASTERN TRACK (15 CREDITS)

LAT 101 Elementary Latin I - AH (3 credits)
LAT 102 Elementary Latin II (3 credits) ♦

Select 9 credit hours from the following

Courses must come from at least two different disciplines.

ANT 322 Health and Disease in Past Societies (3 Credits) ♦
ANT 331 Women in Prehistory (3 credits) ♦
ANT 381 European Archaeology (3 credits) ♦
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ENG 206 Western World Literature I (3 credits) ♦
ENG 215 Greek and Roman Mythology (3 credits) ♦
ENG 315 The Bible as Literature (3 credits) ♦
HIS 100 History of Europe to 1500 (3 credits)
HIS 300 The Ancient Near East and Greece (3 credits) ♦
HIS 301 The Hellenistic World and Ancient Rome (3 credits) ♦
HIS 365 Ancient European Military History (3 credits) ♦
HIS 494 Topics: History (3 credits) ♦ (if a classics or Near East topic)
HIS 594 Special Topics in History (1-3 credits) ♦ (if a classics or Near East topic)
PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)
PHI 355 Socrates and Plato (3 credits) ♦
PHI 394 Topics: Philosophy (3 credits) ♦ (if a classics or Near East topic)
PSC 110 Political Ideas (3 credits)
PSC 370 Ancient Political Theory (3 credits) ♦
PSC 394 Topics: Politics (3 credits) ♦ (if a classics or Near East topic)
REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits) ♦
REL 303 Survey of New Testament (3 credits) ♦
REL 307 Survey of Christianity (3 credits) ♦
REL 306 Introduction to Judaism (3 credits) ♦
REL 301 Ancient Religions (3 credits) ♦
TAR 346 Theatre History (3 credits)

TOTAL CREDITS 21

WORLD CIVILIZATIONS TRACK (15 CREDITS)

Select 15 credit hours from the following. Courses must come from at least two different disciplines.

ANT 110 Unearthing the Past: World Archaeology - SB (3 credits)
ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 322 Health and Disease in Past Societies (3 Credits) ♦
ANT 331 Women in Prehistory (3 credits) ♦
ANT 352 Archaeology of Mesoamerica (3 credits) ♦
ANT 381 European Archaeology (3 credits) ♦
ANT 394 Topics: Anthropology (3 credits) ♦ (if a world civilizations topic)
ANT 594 Topics: Anthropology (3 credits) ♦ (if a world civilizations topic)
ARI 201 Intermediate Arabic I (3 credits) ♦
ARI 202 Intermediate Arabic II (3 credits) ♦
CHI 201 Intermediate Chinese I (3 credits) ♦
CHI 202 Intermediate Chinese II (3 credits) ♦
HIS 300 The Ancient Near East and Greece (3 credits) ♦
HIS 301 The Hellenistic World and Ancient Rome (3 credits) ♦
HIS 329 History of Middle East and North Africa (3 credits) ♦
HIS 338 History of Japan (3 credits) ♦
HIS 335 History of Ancient Africa (3 credits) ♦
HIS 494 Topics: History (3 credits) ♦ (if a world civilizations topic)
HIS 594 Special Topics in History (1-3 credits) ♦ (if a world civilizations topic)
JPN 201 Intermediate Japanese I (3 credits) ♦
JPN 202 Intermediate Japanese II (3 credits) ♦

PSC 394 Topics: Politics (3 credits) ♦ (if a world civilizations topic or a Near East topic)
REL 305 Islam (3 credits) ♦
REL 394 Topics: Religious Studies (3 credits) ♦ (if a world civilizations topic)
PSC 110 Political Ideas (3 credits)
PSC 370 Ancient Political Theory (3 credits) ♦
REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits) ♦
REL 303 Survey of New Testament (3 credits) ♦
REL 307 Survey of Christianity (3 credits) ♦
REL 306 Introduction to Judaism (3 credits) ♦
REL 301 Ancient Religions (3 credits) ♦
TAR 346 Theatre History (3 credits)

TOTAL CREDITS 21

GENERAL TRACK (15 CREDITS)

Select 15 credit hours from the following. Courses must come from at least two different disciplines.

ANT 110 Unearthing the Past: World Archaeology - SB (3 credits)
ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 322 Health and Disease in Past Societies (3 Credits) ♦
ANT 331 Women in Prehistory (3 credits) ♦
ANT 352 Archaeology of Mesoamerica (3 credits) ♦
ANT 381 European Archaeology (3 credits) ♦
ANT 394 Topics: Anthropology (3 credits) ♦ (if an ancient civilizations topic)
ANT 594 Topics: Anthropology (3 credits) ♦ (if an ancient civilizations topic)
ARI 201 Intermediate Arabic I (3 credits) ♦
ARI 202 Intermediate Arabic II (3 credits) ♦
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
CHI 201 Intermediate Chinese I (3 credits) ♦
CHI 202 Intermediate Chinese II (3 credits) ♦
ENG 206 Western World Literature I (3 credits) ♦
ENG 215 Greek and Roman Mythology (3 credits) ♦
ENG 315 The Bible as Literature (3 credits) ♦
HIS 100 History of Europe to 1500 (3 credits)
HIS 300 The Ancient Near East and Greece (3 credits) ♦
HIS 301 The Hellenistic World and Ancient Rome (3 credits) ♦
HIS 329 History of Middle East and North Africa (3 credits) ♦
HIS 338 History of Japan (3 credits) ♦
HIS 335 History of Ancient Africa (3 credits) ♦
HIS 365 Ancient European Military History (3 credits) ♦
HIS 494 Topics: History (3 credits) ♦ (if an ancient civilizations topic)
HIS 594 Special Topics in History (1-3 credits) ♦ (if an ancient civilizations topic)
JPN 201 Intermediate Japanese I (3 credits) ♦
JPN 202 Intermediate Japanese II (3 credits) ♦
LAT 201 Intermediate Latin I (3 credits) ♦
LAT 202 Intermediate Latin II (3 credits) ♦
LAT 280 Studies in Latin Language and Literature
PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)
PHI 355 Socrates and Plato (3 credits) ♦
PHI 394 Topics: Philosophy (3 credits) ♦ (if an ancient civilizations topic)
PSC 110 Political Ideas (3 credits)
PSC 370 Ancient Political Theory (3 credits) ♦
PSC 394 Topics: Politics (3 credits) ♦ (if an ancient civilizations topic)
REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits) ♦
REL 303 Survey of New Testament (3 credits) ♦
REL 307 Survey of Christianity (3 credits) ♦
REL 306 Introduction to Judaism (3 credits) ♦
REL 301 Ancient Religions (3 credits) ♦
REL 305 Islam (3 credits) ♦
REL 394 Topics: Religious Studies (3 credits) ♦ (if a world civilizations topic)
TAR 346 Theatre History (3 credits)

TOTAL CREDITS 21

Anthropology Minor

Students must earn at least a C (2.00) in the core courses, and earn a C (2.00) average in all anthropology courses counting for the major or minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (22 CREDITS)

Core Courses (13 credits)

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
ANT 202 Biological Anthropology - NS (4 credits)
ANT 210 Introduction to Archaeological Methods and Theory (3 credits)
ANT 275 Language and Culture (3 credits)

Elective Courses (9 credits)

Select three anthropology courses not fulfilling requirements above, at least two of which must be at the 300 or 400 level

Applied Philosophy Minor

The minor in applied philosophy requires 21 credit hours of PHI classes with at least six credit hours at the 300 level or above and must include " PHI 396 Internship: Applied Philosophy (3 credits)." Students must make a *C-* or better in all courses.

Applied Statistics Minor

The minor in applied statistics requires 21-22 credit hours and a GPA of at least a 2.0 and *C-* in classes relating to the minor. It is not open to students majoring in either mathematics or statistics.

NOTE:

At least 6 credit hours toward the minor must be completed at NKU.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21-22 CREDITS)

Core Requirements

MAT 112 Applied Calculus (3 credits) ♦
OR
MAT 129 Calculus I - QR (4 credits) ♦
OR
MAT 227 Calculus B (3 credits) ♦

STA 305 Intermediate Statistical Methods with R (3 credits) ♦
OR
STA 250 Probability and Statistics I (3 credits) ♦

STA 314 Design and Analysis of Experiments (3 credits) ♦
OR
STA 316 Regression Analysis (3 credits) ♦

Select 6 additional credit hours

MAT or STA courses at the 200 level or above. (May substitute MAT 128 and/or an approved statistical methodology course from major discipline.) (6 credits)

Select 6 additional credit hours

STA courses at the 300 level or above. (6 credits)

Archaeology Minor

Archaeology is the study of past peoples' ways of life through the excavation and analysis of their culture and artifacts. By studying past societies and cultures, archaeology explores the many avenues throughout time of what it means to be human. The archaeology minor is housed within the anthropology program.

Students who graduate with an archaeology minor are prepared both for career opportunities and for graduate work in anthropology. Because an archaeology focus is already available within the anthropology major, anthropology majors may not minor in archaeology.

NKU provides students with opportunities to do archaeology outside the classroom and develop résumé-worthy skills important in the job quest. Among the many experiences in which archaeology minors can participate are opportunities to go on archaeological digs, do laboratory analysis, develop museum exhibits, and work for local archaeology companies.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
ANT 110 Unearthing the Past: World Archaeology - SB (3 credits)
ANT 210 Introduction to Archaeological Methods and Theory (3 credits)

Select one course from the following (3 credits)

ANT 307 Museum Methods (3 credits) ♦
ANT 315 Archaeological Excavation Methods (3-4 credits) ♦
ANT 355 Archaeology Laboratory Analysis (3 credits) ♦

Select three courses from the following (9 credits)

ANT 114 Great Archaeological Sites - AH (3 credits)
ANT 307 Museum Methods (3 credits) ♦ (if not used as methods course)
ANT 308 Cultural Resource Management (3 credits) ♦
ANT 315 Archaeological Excavation Methods (3-4 credits) ♦ (if not used as methods course)
ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 331 Women in Prehistory (3 credits) ♦
ANT 336 Historical Archaeology (3 credits) ♦
ANT 350 North American Archaeology (3 credits) ♦
ANT 352 Archaeology of Mesoamerica (3 credits) ♦
ANT 355 Archaeology Laboratory Analysis (3 credits) ♦ (if not used as methods course)
ANT 380 Origins of Civilization (3 credits) ♦
ANT 381 European Archaeology (3 credits) ♦
ANT 515 Advanced Archaeological Excavation Methods (3 credits) ♦

Art History Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

ARTH 100 History of Art: Renaissance Modernism (3 credits)
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ARTH 304 Survey of Asian Art (3 credits) ♦

Select three courses from the following (9 credits)

ARTH 349 Women and Art (3 credits)
ARTH 355 Art of the Twentieth Century (3 credits) ♦
ARTH 358 History of Photography (3 credits)
ARTH 359 Arts and Crafts of Japan (3 credits) ♦
ARTH 360 African-American Art (3 credits)
ARTH 394 Topics in Art History (1-3 credits) ♦
ARTH 452 Arts of South Asia (3 credits) ♦
ARTH 454 Art Now (3 credits) ♦

Select 1 studio art elective from (3 credits)

ART 130, ART 135, ART 140, ARTV 101, or any Studio elective in ART, ARTA, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR and ARTS

Astronomy Minor

Astronomy is the study of the universe and its contents including planets, stars, galaxies, and clusters. A minor in astronomy would be particularly useful to students majoring in the physical or biological sciences and math. An astronomy minor can help expand

employment and educational opportunities in graduate school, government and industry. The minor in astronomy requires 27 to 29 credit hours. At least nine of those credit hours must be 300 level or above.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (25-29 CREDITS)

Core Requirements

AST 110 Solar System Astronomy with Laboratory - SL (4 credits)
AST 115 Stars, Galaxies, and Cosmology with Laboratory - SL (4 credits)

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦ and
PHY 224 University Physics with Laboratory III (4 credits) ♦

AST 310 Astronomical Techniques (3 credits) ♦

AST 315 Introductory Astrophysics (3 credits) ♦
OR
AST 394 Topics: Astronomy (3 credits) ♦

Select three credit hours from the following (3 credits)

PHY 320 Physical Optics (3 credits) ♦
AST 325 Geology of the Planets (3 credits) ♦
AST 392 Directed Research: Astronomy (1-3 credits) ♦
AST 397 Special Projects: Astronomy (1-3 credits) ♦
AST 399 Independent Study in Astronomy (1-3 credits) ♦
AST 492 Directed Research: Astronomy (1-3 credits) ♦

Audio Production Minor

DEGREE REQUIREMENTS

Students must complete all courses with a "C" or better

MUSM 110 Introduction to Music Theory (3 credits)
MUSM 312 Computer Applications for Musicians (1 credit) ♦
MUSM 351 Commercial Music Production I (3 credits) ♦
MUSM 352 Commercial Music Production II (3 credits) ♦
MUSM 381 Music Technology I (3 credits) ♦
MUSM 382 Music Technology II (3 credits) ♦
MUSM 383 Mixing Techniques I (3 credits) ♦
MUSM 384 Mixing Techniques II (3 credits) ♦

Biological Sciences Minor

Students must earn at least a *C*- in all biology courses contributing to the minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (20 CREDITS)

Core Requirements

BIO 150 Introduction to Biology I - NS (4 credits) ♦
BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
BIO 151 Introduction to Biology II (4 credits) ♦
BIO 151L Introduction to Biology II Laboratory (0 credits)

Electives

Complete at least 12 credit hours of 300-400 level BIO, ENV, or NEU electives from the CMG, EEO, or general elective groups. Students may take electives from across these different groups.
For transfer students, all 12 of these credit hours must be taken at NKU

Black Studies Minor

Location: Landrum Academic Center 415
Telephone: 859-572-5461
Email Address: hisgeo1@nku.edu
Web Address:
http://artscience.nku.edu/departments/hisgeo/programs/blackstudies.html
Program Director: David Childs

The minor in black studies is a student-centered, academic, and community-service program designed to provide students with an interdisciplinary perspective on the lives of African Americans, Africans, and African people throughout the diaspora and their contributions to humanity. Specifically, the program is designed to acquaint students with:

The historical experience of Africans and African Americans from pre-colonial Africa to contemporary times.
Contributions of Africans and African Americans to the humanities.
The study of the African American experience from a behavioral and social science perspective as well as contributions of African American people to these areas of study.
The influence of the African American experience in various professional fields.

At least a *C* must be achieved to earn credit toward the minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements (15 credits)

Black Studies Foundation
BLS 100 Introduction to Black Studies - SB (3 credits)

Historical Perspective

HIS 336 History of Modern Africa (3 credits) ♦ OR
HIS 417 Civil War and Reconstruction, 1860-1877 (3 credits) ♦

Literary Perspective
ENG 217 African-American Literature to 1940 (3 credits) ♦ OR
ENG 218 African-American Literature 1940-Present (3 credits) ♦ OR
ENG 300 American Women Poets (3 credits) ♦

Artistic Perspective
MUS 107 Survey of African-American Music (3 credits) OR
POP 305 Black Popular Culture (3 credits) OR
TAR 102 Race, Gender and Theatre - SB (3 credits)

Social Perspective
JUS 231 Race, Gender and Crime - AH (3 credits) OR
SOC 300 Race and Ethnic Relations (3 credits) ♦ OR
SOC 301 World Patterns of Race Ethnicity (3 credits) ♦

Electives (6 credits)

BLS 494 Topics: Black Studies (1-3 credits) ♦
CMST 355 Culture and Communication (3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
HIS 394 Special Topics in History (3 credits) ♦ (When topic is appropriate)
HSR 303 Multicultural Issues in Human Services (3 credits)
LDR 460 Leading in Diverse and Global Contexts (3 credits) ♦
MGT 320 Managing a Diverse Workforce (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
PSC 366 Politics of Africa (3 credits) ♦

Business Analytics Minor

The minor in Business Analytics consists of **24** credit hours (**18** hours required plus 6 credit hours each from two different groups). This minor will help students develop strong analytical skills and technological expertise in business analytics.

REQUIREMENTS FOR MINOR (24 CREDITS)

Core Courses (18 credits)

INF 110 Introduction to Application Development (3 credits)
INF 282 Introduction to Databases (3 credits) ♦

MKT 205 Principles of Marketing (3 credits) ♦ OR
BIS 275 Introduction to Business Analysis (3 credits)

BIS 300 Management Information Systems (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BIS 384 Business Analytics (3 credits) ♦

Select one course from the following (3 credits)

BIS 364 Visualizing Data for Business Analysis (3 Credits) ♦
BIS 420 Business Intelligence & Enterprise Appl. (3 credits) ♦
BIS 430 Business Process Analysis (3 credits) ♦
BIS 435 Database Management Systems (3 credits) ♦

Select one course from the following (3 credits)

DSC 311 Data Analytics and Visualization (3 credits) ♦
ECO 310 Introduction to Econometrics (3 credits) ♦
MKT 300 Marketing Tools (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
XXX 396 Internship: Business Analytics related - must be approved by academic department (3 credits)

Business Minor

The minor in business provides an interdisciplinary survey of business management fundamentals and is appropriate for students in non-business majors who want a solid grounding in business essentials.

Students earning the Bachelor of Science in Business Administration degree (any major) or the Bachelor of Science in Business Information Systems automatically earn the minor in business as a part of their major course of study.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (28 CREDITS)

ACC 200 Introductory Financial Accounting (3 credits) ♦
ACC 200L Financial Accounting Lab (1 credit)
ACC 201 Introductory Managerial Accounting (3 credits) ♦
BIS 300 Management Information Systems (3 credits) ♦
BUS 230 Legal Environment (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
FIN 305 Principles of Finance (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦

Business Minor for Non-Business Majors

The minor in business for non-business majors provides students from any non-business major the opportunity to acquire the basics of business. The minor consists of a minimum of six courses including the following: ACC 150 , ECO 100 or ECO 101 , MGT 205 , MKT 205 , plus two elective courses from an approved list. This minor is not open to pre-business students, undecided business students or students majoring in any of the AACSB accredited programs (BSBA or Business Information Systems) in the Haile College of Business or at Northern Kentucky University.

REQUIRED COURSES (12 CREDITS)

ACC 150 Accounting for Non-Business Majors (3 Credits)

Either
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
or
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
MGT 205 Business Management Principles (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦

ELECTIVE COURSES (6 CREDITS)

Select two courses from the following

BUS 230 Legal Environment (3 credits) ♦
BUS 301 Business Professionalism/Career Prep 3 credit hours
Either
BUS 330 Ethics: Managerial Decision Making (3 credits) ♦
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
Either
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
ECO 203 Economics & Business Analytical Skills (3 credits)
ENTP 201 Entrepreneurial Mindset (3 credits)
ENTP 202 Opportunity Recognition (3 credits)
ENTP 305 Introduction to Entrepreneurship (3 credits) ♦
FIN 150 Finance for Non-Business Majors 3 credit hours
GSCM 207 Introduction to Supply Chain Management (3 credits) ♦
IBU 395 Study Abroad in Business (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 306 Project Management (3 credits) ♦
MGT 310 Leading High Performing Teams (3 credits) ♦
MKT 300 Marketing Tools (3 credits) ♦
MKT 308 Integrated Marketing Communications (3 credits) ♦
MKT 310 Selling Skills (3 credits) ♦
MKT 320 Applied Consumer Behavior (3 credits) ♦

Celtic Studies Minor

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: simontonm@nku.edu
Web Address:
http://inside.nku.edu/artsci/departments/sapdept/anthropology/undergraduate-programs/celtic-studies-minor.html
Program Director: Michael J. Simonton, Department of Sociology, Anthropology, and Philosophy

The minor in Celtic studies is designed to give students an overview of the way of life of the prehistoric, historic, and contemporary Celtic peoples throughout Europe and the world, emphasizing the "six Celtic nations" of Ireland, Scotland, Wales, Isle of Man, Cornwall (in England), and Brittany (in France) and the Celts of Iberia from the Iron Age to the 21st century. The minor also addresses the Celtic diaspora to places as far-flung in both space and time as ancient Egypt and Appalachia. To learn about Celtic peoples is to explore yet another avenue of what it means to be human.

The Celtic Studies program also offers students the opportunity to participate in Tuath an Ard Tire Ardai: The Celtic Studies Club, which is active in NKU, local, and regional activities. Our program also maintains a Facebook page, which has an international following.

Kentucky is rich in Celtic culture and history. Along with African Americans and German Americans, people of Celtic descent comprise one of the major ethnic groups in the metropolitan area in which NKU is located. NKU's Celtic Studies program is the only such program in Kentucky. Students are encouraged to participate regardless of background. Each year NKU anthropology faculty present the Outstanding Student in Celtic Studies Award.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements (9 credits)

HIS 100 History of Europe to 1500 (3 credits)
ANT 370 Celtic Europe (3 credits) ♦
ENG 477 Irish Literary Renaissance (3 credits) ♦

Select three courses from the following (9 credits)

ANT 372 Peasant Societies (3 credits) ♦
ANT 376 Irish Society Through Film (3 credits) ♦
ENG 200 Understanding Literature - AH (3 credits) (if Celtic studies topic)
ENG 302 Literature and Film - AH (3 credits) ♦
(if Celtic studies topic)
ENG 404 Arthurian Legend (3 credits) ♦
HIS 353 British History to 1485 (3 credits) ♦
REL 301 Ancient Religions (3 credits) ♦
REL 325 Celtic Christianity (3 credits) ♦
PSC 330 Politics of Europe (3 credits) ♦
Other appropriate courses (with permission, if Celtic studies emphasis)

Ceramics/Sculpture Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements (9 credits)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦

ARTC 240 Ceramics I (3 credits) ♦
OR
ARTS 262 Sculpture I (3 credits) ♦

Select 12 credits from the list below (12 credits)

Courses may be concentrated in one discipline or generalized by taking courses from both ARTC and ARTS. Select from the following courses:

ARTC 340 Wheel Throwing (3 credits) ♦

ARTC 341 Ceramic Sculpture (3 credits) ♦
ARTC 342 Raku and Primitive Firing (3 credits) ♦
ARTS 360 Techniques in Sculpture (3 credits) ♦
ARTS 394 Topics in Spatial Arts (3 credits) ♦
ARTS 460 Advanced Spatial Arts (3 credits) ♦

Chemistry Minor

The minor in chemistry requires 8 hours of general chemistry (CHE 120, CHE 120L, CHE 121, and CHE 121L) plus an additional 12 credit hours of 300/400/500-level chemistry courses (CHE 391W, CHE 392, CHE 396, CHE 492 do not count toward the minor). Students must take at least 4 of the 12 300/400/500-level hours at NKU and earn a GPA of at least 2.0 in all chemistry courses.

Chinese Studies Minor

Location: Mathematics-Education-Psychology Center 475
Telephone: 859-572-7650
Fax: 859-572-1382
Email Address: worldlanglit@nku.edu
Web Address:
http://inside.nku.edu/artsci/departments/worldlanglit.html

The minor in Chinese studies gives students the opportunity to gain knowledge of the Chinese people and their culture in an international context. The program, with coursework selected from several disciplines, provides a broad understanding of a nation and culture of great and growing significance to world affairs.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

CHI 201 Intermediate Chinese I (3 credits) ♦
CHI 202 Intermediate Chinese II (3 credits) ♦

Select at least three courses from the following (9 credits)

ARTH 304 Survey of Asian Art (3 credits) ♦
OR
MUS 106 Music of World Cultures - AH (3 credits)

CHI 380 Topics in Advanced Chinese (3 credits) ♦ (may be repeated once as a required course if topic varies)
HIS 339 China: Prosperity, Poverty & Socialism (3 credits) ♦
PHI 312 Eastern Philosophy (3 credits) ♦

Select two of the following or any courses from previous area not already taken (6 credits)

ANT 380 Origins of Civilization (3 credits) ♦
ANT 385 Peoples of East and Southeast Asia (3 credits) ♦
GEO 410 Geography of East Asia (3 credits) ♦
PHI 309 Global Ethics (3 credits) ♦
PSC 388 Politics of Asia (3 credits) ♦
PSC 480 International Law (3 credits) ♦
PSC 485 Comparative Foreign Policies (3 credits) ♦

Cinema Studies Minor

Location: Landrum Academic Center 500
Telephone: 859-572-1351
Fax: 859-572-6093
Email Address: gazzanigaa1@nku.edu
Web Address:
http://inside.nku.edu/artsci/departments/english/CinemaStudies.html
Program Director: Andrea Gazzaniga, Department of English

The minor in cinema studies is an interdisciplinary program that allows students to develop and broaden their critical understanding of the history, theory, production, reception, and analysis of cinema as an international social practice of cultural narrative, commentary, and artistic expression. Students in the program will practice and expand their abilities to write analytically about cinema and cinema theory as well as increase their knowledge of and familiarity with the historical development and cultural diversity of cinema. The minor in cinema studies will enable students to act as critically aware and well-informed citizens and participants in their cultural communities at the local, national, and international level. No course in which a grade below *C* is earned can be counted toward the cinema studies minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

CIN 200 Introduction to Cinema Studies (3 credits)
CIN 301 Survey of World Cinema (3 credits)
CIN 302 Survey of US Cinema (3 credits)

Select 12 credit hours from the following

(9 credit hours must be at the 300 level or above)

CIN 494 Studies in Cinema (3 credits) ♦ (can be cross-listed)
ANT 376 Irish Society Through Film (3 credits) ♦
EMB 100 Media Literacy - AH (3 credits)
EMB 140 Introduction to Media Aesthetics (3 credits)
EMB 380 Documentary Theory and History (3 credits) ♦
ENG 302 Literature and Film - AH (3 credits) ♦ (May NOT be repeated)
ENG 431 Screenwriting (3 credits) ♦
TAR 482 Screenwriting (3 credits) ♦
EMB 450 Screenwriting (3 credits) ♦
HIS 380 History and Film (3 credits) ♦
HNR 307 Studies in Film and Media (3 credits) ♦
JUS 319 Criminal Justice in Film (3 credits) ♦
PSC 320 American Politics in Film (3 credits) ♦
PSC 322 International Politics in Film (3 credits) ♦

Communication Studies Minor

The minor in communication studies requires 21 credit hours including CMST 220 Interpersonal Communication (3 credits), CMST 303 Organizational Communication (3 credits), CMST 355 Culture and Communication (3 credits), CMST 403 Communication Theories (3 credits) , and three other CMST courses. Students must take CMST 101 Public Speaking - OC (3 credits) or CMST 110 Introduction to Communication Studies - OC (3 credits) to fulfill their oral communication general education requirement, but these courses cannot be used as one of the three CMST courses for the minor. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

CMST minors must earn a letter grade of C- or better as well as a 2.0 GPA in their minor courses.

REQUIREMENTS FOR MINOR (21 CREDITS)

Required Course (12 credits)

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
CMST 355 Culture and Communication (3 credits) ♦
CMST 430 Communication Theories (3 credits) ♦

Electives (9 credits)

Students must take three CMST courses (total of 9 hours) not listed above and not including CMST 101 or CMST 110.

Computer Forensics Minor

The computer forensics minor prepares students for work on a forensics team in either a law enforcement or corporate setting.

A minor in computer forensics requires between 28 and 31 credit hours, depending upon ACT/SAT scores or successful completion of placement testing. Although the balance of information technology and criminal justice coursework required for the study of computer forensics may seem daunting at first glance, two of the courses in the minor, " INF 120 Elementary Programming - NS (3 credits)" and " JUS 101 Introduction to Criminal Justice - SB (3 credits)," also satisfy general education requirements. This minor is particularly well suited for students majoring in either computer information technology or criminal justice, in which case the credit hours required amount to 22 or fewer.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (28-31 CREDITS)

INF 120 Elementary Programming - NS (3 credits) ♦ (or placement)
CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
CYS 285 Cybersecurity Fundamentals (3 credits)
CIT 371 Unix Systems (3 credits) ♦
CYS 430 Computer Forensics (3 credits) ♦

INF 284 Introduction to Computer Networks (3 credits) ♦
OR
CIT 247 Networking Fundamentals (3 credits) ♦

JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 204 Criminal Investigation (3 credits) ♦
JUS 320 Advanced Crime Scene Technology and Criminalistics (3 credits) ♦
JUS 404 Evidence Preparation and Courtroom Testimony (3 credits) ♦

Computer Information Technology Minor

The minor in computer information technology emphasizes the fundamentals of networking and system administration, and consists of 22 hours of coursework.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

REQUIREMENTS FOR MINOR (22 CREDITS)

CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
INF 284 Introduction to Computer Networks (3 credits) ♦

INF 110 Introduction to Application Development (3 credits)
OR
INF 120 Elementary Programming - NS (3 credits) ♦
OR
CSC 260 Object-Oriented Programming I (3 credits) ♦

CIT 271 Windows Administration (3 credits) ♦
OR
CIT 371 Unix Systems (3 credits) ♦

Select one 300/400-level CIT course not listed above (3 credits)
Select 6 credit hours of ASE, INF, CIT, CSC, CYS, or DSC courses not included above (6 credits)

Computer Science Minor

The minor in computer science emphasizes the fundamentals of software development, and requires between 21 and 24 hours of

coursework, depending ACT/SAT scores or successful completion of placement testing. The minor is valuable for students majoring in the sciences or business who wish to develop a range of contemporary programming skills. It is also valuable for secondary education majors planning to teach computer science. (The Computer Science Teachers Association website has detailed information on teaching in this field.)

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21-24 CREDITS)

INF 120 Elementary Programming - NS (3 credits) ♦ (or placement)
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 360 Object-Oriented Programming II (3 credits) ♦

CSC 362 Computer Systems (3 credits) ♦
OR
CSC 364 Data Structures and Algorithms (3 credits) ♦

Select 6 credit hours of CSC courses not counted above (6 credits)
Select 6 credit hours of ASE, INF, CSC, CIT, CYS, or DSC courses not included above (6 credits)
EGT 267 may count as 3 credit hours from the above if the student has not also taken CSC 267.

Construction Management Minor

The minor in construction management provides a broad survey of construction management fundamentals and is appropriate for students who want a solid grounding in construction management essentials.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (24 CREDITS)

CMGT 101 Introduction to Construction Management (3 credits)
CMGT 120 Construction Materials and Methods I (3 credits) ♦
CMGT 121 Construction Materials and Methods II (3 credits) ♦
CMGT 222 Architectural Drafting and CAD (3 credits) ♦
CMGT 303 Contracts and Specifications (3 credits) ♦
CMGT 320 Construction Estimating (3 credits) ♦
CMGT 324 Construction Scheduling (3 credits) ♦
Select one CMGT course approved by advisor and not listed above (3 credits)

Creative Writing Minor

The minor in creative writing consists of at least 21 credit hours, not including " ENG 101 Writing for College and Beyond - WC (3 credits)," " ENG 102 Writing and Research - WC (3 credits)," or "ENG 104 Honors College Writing - WC (3 credits)."

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

ENG 231 Introduction to Creative Writing - AH (3 credits) ♦
ENG 332 Fiction Writing (3 credits) ♦
ENG 334 Poetry Writing (3 credits) ♦
ENG 336 Creative Nonfiction Writing (3 credits) ♦

Select 9 credit hours from the following (9 credits)

ENG 331 Persuasive Writing (3 credits) ♦
ENG 335 Craft of Creative Writing (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦
ENG 347 Technical Writing (3 credits) ♦
ENG 348 Editing and Content Development (3 credits) ♦
ENG 358 Writing in Creative Genres (3 credits) ♦
ENG 430 Advanced Poetry Writing (3 credits) ♦
ENG 431 Screenwriting (3 credits) ♦
ENG 432 Novel Writing (3 credits) ♦
ENG 433 Novel Writing II (3 credits) ♦
ENG 434 Advanced Fiction Writing (3 credits) ♦
ENG 436 Advanced Creative Nonfiction Writing (3 credits) ♦
ENG 497 Projects: Writing (1-3 credits) ♦
JOU 220 News Writing (3 credits) ♦
JOU 340 Feature Writing (3 credits) ♦
JOU 346 Copy Editing and Design (3 credits) ♦

Criminal Justice Minor

Program Coordinator: Alexis Miller, Department of Political Science, Criminal Justice and Organizational Leadership

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 200 Police in America (3 credits)
JUS 201 Corrections in America (3 credits)
JUS 203 The Criminal Court Systems (3 credits)

Select 9 credit hours of 300/400-level JUS credit hours (9 credits)

No more than 3 credit hours of JUS 496 may count towards the criminal justice minor.

Criminalistics Minor

This minor provides students with an understanding of the significant role that science is accorded in the criminal justice

system, especially in criminal investigations and criminal trials. This minor is not permitted for criminal justice majors.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

A minimum grade of C- is required in each course counted as part of the minor.

JUS 101 Introduction to Criminal Justice - SB (3 credits)
JUS 204 Criminal Investigation (3 credits) ♦
JUS 231 Race, Gender and Crime - AH (3 credits)
JUS 302 Criminal Law (3 credits) ♦
JUS 303 Criminal Procedure (3 credits) ♦
JUS 320 Advanced Crime Scene Technology and Criminalistics (3 credits) ♦
JUS 404 Evidence Preparation and Courtroom Testimony (3 credits) ♦

Culture, Society, and Health Minor

The Culture, Society and Health Minor offers students the conceptual and applied tools to understand the social and cultural contexts in which systems of health care, illness, and healing are embedded as well as to see health care, illness and healing as socio-cultural constructs. This minor introduces students to methods of anthropological and sociological research that allows them to ask questions, to manage and analyze databases, to do health care-related research, to identify best practices, and to write grants. Finally, this minor will enhance students' abilities to serve and understand health care needs of socially and culturally diverse patient populations and to appreciate the contributions of all levels of health care providers and support staff collaborating to achieve successful patient and organizational outcomes.

COURSE REQUIREMENTS FOR MINOR (21-22 CREDITS)

Of the 7 required courses, at least 3 courses should be from Anthropology and at least 3 courses should be from Sociology.

Core Courses (9 credits)

ANT 321 Medical Anthropology (3 credits) ♦ OR
SOC 450 Medical Sociology (3 credits) ♦

SOC 371 Environment, Society, and Public Health (3 Credits) ♦ OR
ANT 322 Health and Disease in Past Societies (3 Credits) ♦

PHI 220 Health Care Ethics - AH (3 credits) OR
PHI 306 Philosophy and Science (3 credits) ♦

Ways of Knowing (6 credits)

Select one class each from two of the following three groups.

SOC 320 Social Research (3 credits) ♦ OR
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦

ANT 340 Ethnographic Methods and Research (3 credits) ♦ OR
SOC 322 Qualitative Research Methods (3 credits) ♦

ANT 325 Applied Anthropology (3 credits) ♦ OR
PHI 315 Knowledge and Reality (3 credits) ♦

Health in Social and Cultural Contexts (6-7 credits)

ANT 330 Sex, Gender, and Culture (3 credits) ♦
ANT 365 Ethnographic Field Methods (4 credits) ♦
ANT 375 Anthropology of Aging (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
SOC 300 Race and Ethnic Relations (3 credits) ♦
SOC 301 World Patterns of Race Ethnicity (3 credits) ♦
SOC 342 Sociology of Aging (3 credits) ♦
SOC 345 Native American Social Issues (3 credits) ♦
SOC 480 Global Aging Issues and Policies (3 credits) ♦
Other appropriate courses (with permission, if Culture, Society & Health minor emphasis)

Dance Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (24 CREDITS)

DAN 120 Ballet Dance I (3 credits)
DAN 320 Ballet Dance II (3 credits) ♦
DAN 221 Modern Dance I (3 credits)
DAN 321 Modern Dance II (3 credits) ♦
DAN 323 Physiology of Dance (3 credits)
DAN 427 Dance History (3 credits) ♦

Choose one of the following:
DAN 222 Jazz Dance I (3 credits) ♦
OR
DAN 224 Tap I (3 credits)

Choose one of the following:
DAN 226 Dance Foundations (3 credits) ♦
OR
DAN 375 Dance Composition (3 credits) ♦

Data Science Minor

The minor in Data Science provides students with a solid foundation in statistics, analytics and programming. It is a transdisciplinary program developed to prepare students to process, analyze and present data from different domains and sources. Students take courses in data analytics and visualization, databases, probability and statistics, business analytics, and an

elective that deepens the student's knowledge in programming, statistics, or big data.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

REQUIREMENTS FOR MINOR (22 CREDITS)

Students take the 6 required courses below (16 hours), 1 course from the Programming Course list (3 hours), and 1 course from the list of electives (3 hours). The course from the elective list cannot be the same as the course from the programming list.

Required Courses (16 credits)

Students must take all 6 courses below.

DSC 101 Introduction to Data Science (1 credit)
DSC 200 Data Wrangling (3 credits) ♦
DSC 311 Data Analytics and Visualization (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦
STA 250 Probability and Statistics I (3 credits) ♦
And one of the following two courses:
INF 282 Introduction to Databases (3 credits) ♦
OR
CSC 350 Database Programming (3 credits) ♦

Programming Course (3 credits)

Students must take 1 course from the list below.

CIT 383 Scripting I (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 270 Mathematics Software Programming (3 credits) ♦
EGT 267 Programming for Engineering Applications (3 credits) ♦
STA 360 Statistical Computing (3 credits) ♦

Elective Course (3 credits)

Students must take 1 course from the list below not taken above in the Programming Course list.

CIT 383 Scripting I (3 credits) ♦
CSC 260 Object-Oriented Programming I (3 credits) ♦
CSC 270 Mathematics Software Programming (3 credits) ♦
DSC 411 Data Mining (3 credits) ♦
DSC 421 Big Data (3 credits) ♦
EGT 267 Programming for Engineering Applications (3 credits) ♦
STA 314 Design and Analysis of Experiments (3 credits) ♦
STA 360 Statistical Computing (3 credits) ♦

Economics Minor

The two required courses (ECO 100 and ECO 101) provide a general foundation in economic theory and application. Either can be used to fulfill the university Foundation of Knowledge requirement in the individual and society category. A broad choice of elective courses allows students to focus on their own specific interests in the field of economics.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (24 CREDITS)

ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 101 Principles of Microeconomics - SB (3 credits) ♦
Select six 300/400-level ECO courses (18 credits) other than ECO 305 which is not an approved elective.

Electronic Media & Broadcasting Minor

The electronic media & broadcasting minor introduces students to theoretical and aesthetic foundations that serve as the springboards for creating effective audio and video media.

EMB minors must earn a letter grade of *C-* or better as well as a 2.0 GPA in their minor courses. Students may not double count School of Media and Communication courses toward the Electronic Media & Broadcasting minor and other majors and minors in the school unless the course is required as the only option in the Electronic Media & Broadcasting minor and other majors and minors in the School of Media and Communication.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

EMB 110 Introduction to Mass Media (3 credits)
EMB 140 Introduction to Media Aesthetics (3 credits)
EMB 210 Single Camera Production (3 credits) ♦
EMB 215 Audio Production (3 credits) ♦
DFX 221 Visual Fundamentals for Digital Media (3 credits) ♦
Select two 300/400-level EMB courses (6 credits)

Electronics Technology Minor

The minor in electronics technology is designed to offer expertise in electronics to those students who need or want this background as a supplement to majors in technology, mathematics, computer science, information systems, radio/television, or other programs that may directly or indirectly interact with electrical or electronic skills.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

EGT 161 DC Circuit Analysis (3 credits) ♦
EGT 243 AC Circuit Analysis (3 credits) ♦
EGT 344 Analog Electronics (3 credits) ♦
EGT 245 Digital Electronics (3 credits) ♦

Select 9 credit hours from

Courses listed under EEET program tracks (9 credits)

English Minor

The minor in English consists of at least 21 credit hours, excluding " ENG 101 Writing for College and Beyond - WC (3 credits)," " ENG 102 Writing and Research - WC (3 credits)," or "ENG 104 Honors College Writing - WC (3 credits)."

Special graduation requirements: To graduate, a student must earn a grade of C or higher in every course used to fulfill the major or minor requirements in English, including courses used to fulfill the foreign language requirement. All English majors are required to demonstrate (1) intermediate-level proficiency in a foreign language previously spoken or used to satisfy the NKU entrance requirement or (2) novice-level proficiency in a second foreign language. Students can demonstrate intermediate-level proficiency by either completing the appropriate 200-level course in the language studied in high school or by attaining an acceptable score on the CLEP test in that language. Students can demonstrate novice-level proficiency by completing two semesters of a language not previously studied or spoken.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 HOURS)

Select two courses from the following (6 credits)

ENG 202 Survey of British Literature I (3 credits) ♦
ENG 203 Survey of British Literature II (3 credits) ♦
ENG 208 Survey of American Literature I (3 credits) ♦
ENG 209 Survey of American Literature II (3 credits) ♦
ENG 217 African-American Literature to 1940 (3 credits) ♦
ENG 218 African-American Literature 1940-Present (3 credits) ♦
ENG 204 Introduction to Writing Studies (3 credits) ♦
ENG 231 Introduction to Creative Writing - AH (3 credits) ♦

Select five ENG electives (15 credits)

(at least 9 credit hours must be 300 and 400 level)

Entrepreneurial Studies Minor

The minor in entrepreneurial studies is especially valuable for students in other colleges who are interested in applying passion to their own business or want an understanding of how to function in an entrepreneurial venture. The focus is on developing an entrepreneurial mindset, generating ideas based on creativity, opportunity identification, feasibility studies, start-up activities, early-stage strategies, and new initiatives within entrepreneurial environments. Students have unique opportunities to be involved in business partnerships and to find creative solutions to real business problems while completing their degrees.

This minor is offered in a traditional classroom format or as an online minor. Students must declare format.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements

ENTP 201 Entrepreneurial Mindset (3 credits)
ENTP 202 Opportunity Recognition (3 credits)
ENTP 290 Idea Validation (3 credits)
ENTP 375 Entrepreneurial Skills & Marketing (3 credits) ♦

Two additional ENTP 300-Level or above, or pre-approved courses from student's major (6 credits)

Environmental Studies Minor

Location: Herrmann Science Center 204D
Telephone: 859-572-5110
Fax: 859-572-5639
Email Address: envs@nku.edu
Web Address: http://envsci.nku.edu
Program Director: Kristine N. Hopfensperger, Department of Biological Sciences

The minor in environmental studies provides students with a coherent academic program that is sensitive and responsive to current and projected environmental problems facing humanity on a variety of levels. As a minor program, it is intended to broaden and strengthen a number of major programs by providing a useful focus on a wide range of environmental issues.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (22 CREDITS)

Core Requirements

BIO 123 Human Ecology - NS (3 credits) ♦
OR
ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)

ENV 396 Internship: Environmental Science (3 credits) ♦
ENV 493 Seminar: Environmental Science (1 credit) ♦

Select 15 credit hours from the following

ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 345 Environmental Anthropology (3 credits) ♦
BIO 304 General Ecology (3 credits) ♦
BIO 304L Ecology Laboratory (1 credit) ♦
CHE 112 Chemistry and Society - NS (3 credits)
CHE 112L Chemistry and Society Laboratory - SL (1 credit) ♦
CMGT 323 Land Planning and Development (3 credits) ♦
EDU 445 Introduction to Environmental Education (3 credits) ♦
EDU 446 Strategies for Environmental Education (3 credits) ♦
EDU 447 Outdoor Learning Environments (3 credits) ♦
EGT 423 Planning and Design of Industrial Facilities (3 credits) ♦
ENG 326 Literature and the Environment (3 credits) ♦
ENV 115 Orientation to Environmental Science Careers (1 credit)

ENV 130 Water and People - NS (3 credits) ♦
ENV 130L Water and People Laboratory - SL (1 credit)
ENV 294 Topics in Environmental Science (1-5 credits) ♦
ENV 308 Science Communication (3 Credits) ♦
ENV 324 Disease Ecology and Human Health (3 credits) ♦
ENV 332 Visualizing Environmental Data in R (3 credits)
ENV 350 Environmental Toxicology (3 credits) ♦
ENV 394 Topics: Environmental Science (1-3 credits) ♦
ENV 408 Ecology of the City (4 credits) ♦
GEO 306 Environmental Resource Management (3 credits) ♦
GEO 309 Environmental History: American Landscape (3 credits) ♦
GEO 314 Maps and Map Interpretation (3 credits) ♦
GEO 340 Sustainable Food Systems (3 credits) ♦
GEO 345 Geography of Natural Hazards (3 credits) ♦
GEO 418 Geographic Information Systems (4 credits) ♦
GEO 422 Landscape Preservation & National Parks (3 Credits)
GLY 120 This Dangerous Earth - SB (3 credits)
PHI 302 Ethics and Scientific Research (3 credits) ♦
PHI 360 Environmental Philosophy (3 credits) ♦
PSC 445 Sustainability (3 credits) ♦
SOC 340 Population (3 credits) ♦
SOC 355 Sociology of the Environment (3 credits)

Esports Minor

This unique specialization, offered through the Haile/US Bank College of Business, emphasizes the business side of esports. The goal is to introduce students to the concepts and culture of esports while gaining important skills in event planning, strategy, business development, marketing, and analytics.

Through the Esports minor, students will become oriented the business side of Esports. Through a variety of classes, students will be:

Introduced to concepts and culture in the Esports industry
Familiarized with the variety of roles within the Esports business industry
Gain important skills in areas such as event planning, strategy, business development, marketing and sponsorship, social media, and analytics
Learn emerging technologies and how they are utilized in Esports industry

ESPORTS MINOR (18 HOURS)

Required Courses (15 hours)

DFX 375 Computer Games and Digital Society (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
SPB 305 Sports Marketing and Events Research (3 credits) ♦
SPB 335 Event Planning and Management (3 credits) ♦
SPB 340 Esports Management 3 credit hours

Elective Course (3 hours)

Select one course from the following

MKT 310 Selling Skills (3 credits) ♦
MKT 370 Social and Digital Marketing (3 credits) ♦
SPB 307 Moneyball: Economics of Sports & Events (3 credits) ♦
SPB 309 Sports and Events Public Relations (3 credits) ♦
SPB 330 Sports and Events Law (3 credits) ♦
SPB 350 Revenue Generation in Sports and Events (3 credits) ♦
SPB 394 Topics: Sports Business Issues (3 credits) ♦
SPB 396 Internship: Sports Business (0-3 credits) ♦
Others as approved by department

Evolutionary Studies Minor

Location: Landrum Academic Center 217
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: wakefieldm2@nku.edu
Web Address:
http://artscience.nku.edu/departments/sapdept/anthropology/undergraduate-programs/evolutionary-studies-minor.html
Program Director: Monica Wakefield, Department of Sociology, Anthropology, and Philosophy

The minor in evolutionary studies is especially relevant for students seeking high-level integration of the natural sciences, behavioral sciences, and humanities using contemporary evolutionary theory as an integrative concept; for students aspiring to teach evolution in the middle and secondary schools; and for students interested in cultivating an evolutionary view of human nature.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (23 CREDITS)

Core Requirements (14 credits)

BIO 120 Understanding the Living World - NS (4 credits) ♦
and
BIO 120L Understanding the Living World Laboratory - SL (0 credits)
OR
BIO 151 Introduction to Biology II (4 credits) ♦ and
BIO 151L Introduction to Biology II Laboratory (0 credits)

GLY 125 Prehistoric Life - NS (3 credits)

PSY 301 Evolutionary Psychology (3 credits) ♦ *
OR
HNR 301 Humanity and Nature (3 credits) ♦ *

ANT 202 Biological Anthropology - NS (4 credits)

Electives (9 credits)

Choose three from at least two different disciplines.

ANT 333 Paleoanthropology Laboratory (3 credits) ♦
ANT 334 Behavioral Field Methods (3 credits) ♦
ANT 347 Primate Behavioral Ecology (3 Credits)
ANT 348 Primate Sexuality (3 Credits) ♦
ANT 394 Topics: Anthropology (3 credits) ♦ *
BIO 402 Evolutionary Neurobiology (4 credits) ♦
BIO 402L Evolutionary Neurobiology Laboratory (0 credits)
BIO 440 Animal Behavior (4 credits) ♦
BIO 440L Animal Behavior Laboratory (0 credits)
BIO 494 Topics: Biological Sciences (1-4 credits) ♦ *
GLY 115 History of the Earth - NS (3 credits)
GLY 294 Topics: Geology (1-3 credits) ♦ *
GLY 402 Paleontology (4 credits) ♦
PHI 306 Philosophy and Science (3 credits) ♦
PHI 394 Topics: Philosophy (3 credits) ♦ *
PSY 311 Biopsychology (3 credits) ♦
PSY 311L Biopsychology Laboratory (2 credits) ♦
PSY 337 Animal Learning (3 credits) ♦
PSY 338 Cognitive Processes (3 credits) ♦
PSY 494 Topics: Psychology (3 credits) ♦ *

Note:

*Special topics seminar course in anthropology, biological sciences, geology, philosophy, or psychology: course content may include directed readings, an independent or supervised empirical research experience, a conference presentation (such as a paper or poster presentation), or a term paper. Courses, projects, or research experiences used to satisfy the capstone requirement must be approved by the program director.

Finance Minor

This minor has two required courses and an additional four finance electives numbered 300 and above. Courses that are counted in partial fulfillment of the B.S.B.A. general business major may not be counted as fulfilling part of the finance minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

FIN 305 Principles of Finance (3 credits) ♦
FIN 345 Investment and Security Analysis (3 credits) ♦
Select four 300/400-level FIN courses (12 credits)

Foundation of Knowledge Honors Minor

The Honors College encourages students to think across discipline-specific boundaries, to envision and articulate connections between disciplines that may not seem to be readily connected, to see applications of their studies beyond the university to a larger global community, and to imagine innovative solutions. The learning outcomes of honors courses include demonstration of superior communication skills, both in writing and speaking, analysis, synthesis, and critical thinking. The capstone project is the exit requirement for the honors program and affords students the opportunity to engage in independent research or creative work, an undertaking particularly valued by potential employers, graduate schools, and professional schools and programs.

Similarly, the designation University Honors Scholar on the diploma and transcript is a distinction that provides students with a competitive edge.

The Honors College supports co-curricular activities that include activities to promote civic engagement, global perspectives, and leadership experiences. The honors program awards scholarship money to students in the program to support travel experiences of various kinds, including trips that are part of honors courses, study-abroad endeavors undertaken as part of an academic major, travel related to conferences, and capstone expenses.

FOUNDATION (6 HOURS)

Required for all students. Students complete HNR 101 and HNR 102 in their first semesters.

HNR 101 Introduction to Honors Learning - WC/OC (3 credits) ♦
HNR 102 Interdisciplinary Research Process - WC/OC (3 credits) ♦

NOTE: Completion of both HNR 101 and HNR 102 fulfills the Written and Oral Communication requirements from the Foundation of Knowledge (general education) program. Individual courses do not fulfill individual general education requirements. Students may also be required to take specific classes for prerequisites or program requirements within their selected majors and minors.

COHORT TRACK (9-10 HOURS)

Complete all three courses from ONE of the following Cohort Tracks.

Natural World Cohort (complete all three courses). Completion of the Natural World Cohort will fulfill the Foundations of Knowledge Mathematics and Natural Sciences category requirements.
HNR 210 Scholarly Approaches to the Nat. World - NS/QR (4 credits) ♦
HNR 310 Community & the Natural World - NS/QR (3 credits) ♦
HNR 311 Global Citizen in the Natural World - NS/QR (3 credits) ♦

OR

Society Cohort (complete all three courses). Completion of the Society Cohort will fulfill the Foundations of Knowledge Cultural Pluralism and Individual & Society category requirements.
HNR 220 Scholarly Approaches to Society - SB (3 credits) ♦
HNR 320 Community and Society - SB (3 credits) ♦
HNR 321 Global Citizen in Society - SB (3 credits) ♦

OR

Humanity and Global Viewpoints Cohort (complete all three courses). Completion of the Humanity and Global Viewpoints Cohort will fulfill the Foundations of Knowledge Culture & Creativity and Global Viewpoints category requirements.

HNR 230 Scholarly Approaches to Humanity - AH/SB (3 credits) ♦
HNR 330 Community and Humanity - AH/SB (3 credits) ♦
HNR 331 Global Citizen and Humanity - AH/SB (3 credits) ♦

NOTE: Individual courses do not fulfill individual general education requirements, rather an entire Cohort Track fulfills the stated categories within the Foundation of Knowledge curriculum. Honors College students complete Foundation of Knowledge requirements not met through HNR 101, 102, and the Cohort Track with traditional classes selected from the traditional checklist. Students may also be required to take specific classes for prerequisites or program requirements within their selected majors and minors.

HONORS SEMINAR ELECTIVE (3 HOURS)

Students select **one** Honors seminar elective course (or study abroad).

Select one of the following:

HNR 301 Humanity and Nature (3 credits) ♦
HNR 302 Humanity and Society (3 credits) ♦
HNR 303 Humanity and the Imagination (3 credits) ♦
HNR 304 Humanity and Technology (3 credits) ♦
HNR 306 Studies in Diversity (3 credits) ♦
HNR 307 Studies in Film and Media (3 credits) ♦
HNR 308 The World in Transition (3 credits) ♦
HNR 309 World Cities/World Cultures (3 credits) ♦
HNR 394 Honors Special Topics (1-3 credits) ♦
HNR 395 Honors Study Abroad (3 credits)
HNR 396 Honors Internship (1-3 credits) ♦
or approved, 3-credit hour study abroad course.

HONORS CAPSTONE (6 HOURS)

Students complete a six credit hour, two semester Honors Capstone project during their last semesters. Enrollment in HNR 490 must be accompanied by enrollment in a capstone or independent study course from a collaborating department. Capstone projects must be approved by the Honors College. Please refer to the Honors Capstone Handbook for more information.

Select two of the following, either course can be repeated:

HNR 490 Honors Capstone Completion (0 credits) ♦
HNR 491 Honors Capstone / Thesis I (0-3 credits) ♦

French Minor

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

FRE 201 Intermediate French I (3 credits) ♦
FRE 202 Intermediate French II (3 credits) ♦
FRE 304 French Composition and Conversation (3 credits) ♦

Culture Study (3 credits)

Select one course from the following

FRE 294 Topics in French for the Professions (3 credits) ♦
FRE 307 Introduction to French Translation (3 credits) ♦
FRE 310 French Culture and Society Today (3 credits) ♦
FRE 311 French Cultural History (3 credits) ♦
FRE 330 Studies in French Language Cinema (3 credits) ♦
FRE 340 Business French (3 credits) ♦
FRE 401 French Phonetics and Pronunciation (3 credits) ♦
FRE 402 Advanced French Grammar and Syntax (3 credits) ♦
FRE 480 Studies in French Culture (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦ (culture topic)

Literary Study (3 credits)

Select one course from the following

FRE 320 Survey of French Literature (3 credits) ♦
FRE 322 French Drama (3 credits) ♦
FRE 323 French Prose Fiction (3 credits) ♦
FRE 481 Studies in French Literature (3 credits) ♦
FRE 520 Readings: French (3 credits) ♦ (literary topic)

Electives (6 credits)

Select two FRE courses above the 202 level. May also substitute WLL 396.

Geographic Information Systems Minor

A geographic information system (GIS) is a computer-based system for capturing, storing, querying, analyzing, and displaying geographically referenced data. GIS has been used for many purposes, such as natural resource management, crime analysis, emergency management, and transportation planning. New applications continue to emerge from the integration of GIS with other technologies, such as global-positioning systems (GPS), remote sensing and wireless networks.

The NKU GIS minor is an interdisciplinary program offered through the departments of History and Geography, Computer Science, and Political Science, Criminal Justice, and Organizational Leadership. It is designed for individuals whose career paths will require them to regularly use GIS technology in their work.

CORE CLASSES (13 CREDITS)

GEO 415 Cartography (3 credits) ♦
GEO 418 Geographic Information Systems (4 credits) ♦

GEO 419 Remote Sensing of Environment (3 credits) ♦
GEO 518 Geographic Information Analysis (3 credits) ♦

ELECTIVES (6-7 CREDITS)

Select two courses from the list below (ENV 408 and ENV 408L, if selected, must be taken together).

BIS 330 IT Project Management (3 credits) ♦
CIT 472 Database Administration (3 credits) ♦
CSC 440 Software Engineering (3 credits) ♦
CSC 450 Database Systems (3 credits) ♦
CSC 480 Computer Graphics (3 credits) ♦
ENV 408 Ecology of the City (4 credits) ♦
ENV 408L Ecology of the City Laboratory (0 credits)
GEO 314 Maps and Map Interpretation (3 credits) ♦
GEO 492 Directed Research: Geography (1-3 credits) ♦
GEO 592 Directed Research in Geography (1-3 credits) ♦
GLY 415 Earth Science Applications of GIS (3 Credits) ♦

Geography Minor

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirement

GEO 100 Geography and the Human Landscape - AH (3 credits)

Select three courses from the following (9 credits)

GEO 306 Environmental Resource Management (3 credits) ♦
GEO 308 Dynamics of Weather and Climate (3 credits) ♦
GEO 309 Environmental History: American Landscape (3 credits) ♦
GEO 314 Maps and Map Interpretation (3 credits) ♦
GEO 340 Sustainable Food Systems (3 credits) ♦
GEO 415 Cartography (3 credits) ♦
GEO 418 Geographic Information Systems (4 credits) ♦
GEO 419 Remote Sensing of Environment (3 credits) ♦
GEO 518 Geographic Information Analysis (3 credits) ♦
GEO 519 Advanced Remote Sensing (3 credits) ♦
GEO 522 Introduction to Historic Preservation (3 credits) ♦

Select two GEO electives (6 credits)

Select one 200/300/400/500-level GEO elective (3 credits)

Geology Minor

A minor in geology consists of 21 credit hours, of which at least 12 must be at the 300 level or above. A minor in geology, emphasizing courses in environmental geology and hydrogeology, is particularly appropriate for students majoring in environmental science. The minor in geology is most appropriate for students who wish to have a background in geology to support another major.

CORE COURSES (4 CREDITS)

GLY 110 Earth Science with Laboratory - SL (4 credits)

GEOLOGY ELECTIVES (17 CREDITS)

17 additional geology credit hours, of which at least 12 must be at the 300 level or above.

German Minor

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

GER 201 Intermediate German I (3 credits) ♦
GER 202 Intermediate German II (3 credits) ♦
GER 304 German Composition and Conversation (3 credits) ♦

Culture Study (3 credits)

Select one course from the following

GER 294 Topics in German for the Professions (3 credits) ♦
GER 307 Introduction to German Translation (3 credits) ♦
GER 310 Contemporary German Life (3 credits) ♦
GER 311 German Cultural History (3 credits) ♦
GER 330 Studies in German Language Cinema (3 credits) ♦
GER 340 Business German (3 credits) ♦
GER 401 German Phonetics and Pronunciation (3 credits) ♦
GER 402 Advanced German Grammar and Syntax (3 credits) ♦
GER 480 Studies in German Culture (3 credits) ♦
GER 520 Readings: German (3 credits) ♦ (culture topic)

Literary Study (3 credits)

Select one course from the following

GER 320 Survey of German Literature (3 credits) ♦
GER 322 German Drama (3 credits) ♦
GER 323 German Prose Fiction (3 credits) ♦
GER 481 Studies in German Literature (3 credits) ♦
GER 520 Readings: German (3 credits) ♦ (literary topic)

Electives (6 credits)

Select two GER courses above the 202 level. May also substitute WLL 396.

Global Supply Chain Management Minor

The global supply chain management minor provides students with knowledge to understand Global Supply Chain Management, such as procurement, planning, forecasting, distribution, transportation, warehousing, and logistics. Students will learn the tools and skills required to make effective decisions and be successful in manufacturing and service supply chain careers. The GSCM minor complements all business majors as well as engineering programs.

GLOBAL SUPPLY CHAIN MANAGEMENT MINOR (18 CREDITS)

REQUIRED COURSES (9 CREDITS)

GSCM 207 Introduction to Supply Chain Management (3 credits) ♦
GSCM 308 Global Strategic Sourcing (3 Credits) ♦
GSCM 309 Logistics and Distribution (3 Credits) ♦

ELECTIVES (9 CREDITS)

Select any three of the following. Note that IBU 395 may not be repeated for the minor and only one world languages course may be used as an elective.

GSCM 365 Supply Chain Data Analytics 3 credit hours
GSCM 392 Advanced Supply Chain Research 3 credit hours
GSCM 394 Topics: Global Supply Chain Management 1-3 credit hours
GSCM 396 Internship: Global Supply Chain Mgt 3 credit hours
IBU 395 Study Abroad in Business (3 credits) ♦
MGT 305 Operations Management in Business (3 credits) ♦
MGT 306 Project Management (3 credits) ♦
MGT 330 Negotiation and Conflict Resolution (3 credits) ♦
any 3-credit hour world languages course

Health Communication Minor

The explosion of social media and other interactive communication technologies is dramatically changing the ways in which consumers obtain and make sense of health-related information. For example, peer to peer communication (e.g., within Facebook support group) about a medical condition is considered important to understanding communication with providers. Providers and other health care professionals must be fully aware of and appreciate all the different sources of information that are key to sensemaking and understanding. Creating messages that are clear, easy to understand, and address the emotional and logical processing of health information is crucial and lead to positive health outcomes. The messages also must address cultural differences and health disparities in terms of behavior and care that are present in a diverse society.

The health communication program will produce graduates who are skilled, effective and literate communicators. They will be able to facilitate the sensemaking and decision-making processes related to health information and be well equipped to communicate across many contexts and rapidly changing media platforms. Students completing this program will be prepared for a wide array of emerging health communication careers in industry, the non-profit sector and government.

DEGREE REQUIREMENTS (21 CREDITS)

Core Courses (12 credits)

CMST 220 Interpersonal Communication (3 credits) ♦
HCOM 301 Health Communication (3 credits) ♦
HCOM 305 Patient-Provider Communication (3 credits) ♦
HCOM 450 Health Campaigns (3 credits) ♦

Electives (9 credits)

Choose three courses from the list below:

CMST 300 Research Methods in Communication Studies (3 credits) ♦
CMST 333 Lifespan Communication (3 credits) ♦
JOU 305 Science in the Media (3 credits) ♦
HCOM 315 Sociocultural Aspects of Health (3 credits) ♦
HCOM 480 Communication Technology and Health (3 credits) ♦
HCOM 485 Communicating Health Policy (3 credits) ♦
HCOM 494 Special Topics: Health Communication (3 credits)
HCOM 496 Health Communication Internship (3 credits) ♦
HCOM 499 Independent Study (1-3 credits)

Health Education Minor

The kinesiology and health department offers two tracks in the health education minor:

Health education - P-12 teaching certification
Health education - non-certification

Those students who wish to apply for P-12 teaching certification in health education should complete the requirements for the P-12 certification track minor. They must be admitted to the teacher education program before completing " HEA 525 Methods and Materials in Health Education (3 credits) " and " HEA 489 Field Experiences in Health Education (2 credits)." Only those undergraduate students who are seeking a major in another education certification area may complete this minor track. Those who have already earned a teaching certificate in another content area may pursue the health education certification as postbaccalaureate students.

It is highly recommended that students who are majoring in physical education also complete the health education P-12 certification minor program. Most school districts hire physical education teachers who are also certified to teach health education. Students in this program must maintain an overall GPA of 2.75 or better and receive a C or better in all program courses.

Those students who are interested in the area of health are encouraged to complete the health education minor program.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21-51 CREDITS)

Non-certification track (21-22 credits)

HEA 125 Foundations of Health Ed & Promotion (3 credits)
HEA 135 Safety and First Aid (3 credits)
HEA 230 Personal Health and Wellness (3 credits)
HEA 370 Community Health (3 credits)
HEA 320 Drug and Alcohol Education (3 credits) ♦
HEA 350 Sexuality Education (3 credits) ♦

BIO 121 Diseases and the Systems they Affect - NS (3 credits) ♦

BIO 126 Human Nutrition - NS (3 credits) ♦

OR

BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit) ♦

Note:

*" BIO 121 Diseases and the Systems they Affect - NS (3 credits)" may be substituted for " BIO 208 Human Anatomy and Physiology I - NS (4 credits)" and " BIO 209 Human Anatomy and Physiology II (4 credits)" if not a physical education major; " BIO 121 Diseases and the Systems they Affect - NS (3 credits)" is not required for a physical education major.

Teacher certification track (50-51 credits)

Teacher Certification Track requires completion of all courses in both the Non-Certification Track and Teacher Certification Track (50-51 credits)

KIN 313 Computer Applications for Health and Kinesiology (2 credits)

HEA 489 Field Experiences in Health Education (2 credits)

EDU 104 Orientation: Education Profession/Program (1 credit)

EDU 300 Human Growth and Development (3 credits) ♦

EDU 305 Introduction to Education (2 credits) ♦

EDU 311 Admission Field Experience Secondary (2 credits) ♦

EDS 322 Instructional Planning for Inclusive Elementary Classrooms (3 credits) ♦

EDU 496 Clinical Experience Secondary (12 credits) ♦ (required for all education majors or postbaccalaureate students to teach a minimum of one health course during their 12-credit-hour student -teaching semester)

Health Informatics Minor

The minor in health informatics consists of 25 credit hours. After completing the minor, the successful student will have competence in the underlying skills necessary to become a health informaticist. Students will be able to demonstrate knowledge in the health informatics field and in information systems as it relates to healthcare. Students will be able to analyze, synthesize, and problem solve using a variety of techniques and tools.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (25 CREDITS)

INF 282 Introduction to Databases (3 credits) ♦

HIN 101 Introduction to Health Informatics (1 Credits)

HIN 200 Introduction to Healthcare Operations (3 Credits)

HIN 355 Foundations of Health Informatics (3 credits)

HIN 356 Health Information Management (3 credits) ♦

BIS 300 Management Information Systems (3 credits) ♦

BIS 330 IT Project Management (3 credits) ♦

Select two additional HIN or BIS electives (6 credits)

Health Promotion Minor

The online Minor in Health Promotion prepares students and health professionals to assess community needs, to plan, implement, evaluate and manage health education/promotion programs, to lead communities to healthier living through service, communication and advocacy, and serve as a resource for communities while advancing the profession through research and critical analysis.

This minor is ideal for individuals seeking intellectual enrichment or professional enhancement to promote health in a variety of fields/settings. Those who complete the program are prepared as innovative problems solvers, critical and creative thinkers, and effective communicators. Students are able to integrate breadth and depth of knowledge received from a variety of sources to solve problems from different perspectives.

Students who complete the Health Promotion Minor courses are eligible to complete the National Commission for Health Education Credentialing (NCHEC) examination to become a Certified Health Education Specialist (CHES), and will be prepared to work in the following settings:

Business & industry: Worksite wellness

Community Health Organizations & Non-Profits: behavioral, environmental and policy change; organize and mobilize communities for action, coalition building and resource person

Health Care: Hospitals, healthcare providers, insurers - coordination of vital programs for patients, staff and neighboring community (risk reduction, prevention and management of disease and identification of community health education needs)

Public Health and Government Agencies: Identify trends and evaluate health status measure, social marketing, mass media campaigns.

Schools & Universities: Teach & develop lessons for teaching topics relevant and age appropriate for students; develop health communication materials.

REQUIRED COURSES (22 CREDITS)

All courses below are required for the Minor in Health Promotion.

HEA 125 Foundations of Health Ed & Promotion (3 credits)

HEA 370 Community Health (3 credits)

HEA 500 Theory & Behavior in Health Promotion (3 credits) ♦

HEA 510 Research Methods in Health Promotion (4 credits) ♦

HEA 520 Health Promotion Strategies & Methods (3 credits) ♦

HEA 530 Health Promotion Program Planning (3 credits) ♦

HEA 540 HP Program Implementation & Evaluation (3 credits) ♦

ELECTIVES (3 CREDITS)

One of the following elective courses (3 credits) is required to complete the Minor in Health Promotion.

BIO 126 Human Nutrition - NS (3 credits) ♦
CMST 403 Health Communication (3 credits) ♦
HEA 320 Drug and Alcohol Education (3 credits) ♦
HEA 350 Sexuality Education (3 credits) ♦
HSC 413 Aging in Today's Society (3 credits)
HSR 312 Crisis Intervention (3 credits)
HSR 340 Intro to Substance Use in Human Services (3 credits) ♦
HSR 420 Process Addictions (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
SOC 303 Social Psychology (3 credits)

Health Science Minor

The minor in Health Science is designed for undergraduate students from a variety of disciplines across the university who wish to expand and apply their understanding in the health care industry. Students will have a broad based overview of the health care industry, the professions within, and will then choose electives in their area of interest; health care research, policy, management, chronic disease management, patient populations, contemporary health care issues, and foreign health care systems.

♦ Indicates prerequisite

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirement (3 credits)

HSC 101 is the only required course of the minor. Students will choose 5 additional HSC or CHP prefixed courses (400 level or above) for the minor. Students must earn a "C" or higher in all courses required of the minor.

HSC 101 Introduction to Health Professions (3 credits)

Healthcare Ethics and Policy Minor

Location: Landrum Academic Center 217C

Telephone: 859-572-5259 **Fax**: 859-572-6086

Email Address: frimpongma1@nku.edu **Web Address**: https://inside.nku.edu/artsci/departments/sapdept/philosophy/undergraduate-programs/healthcare-ethics-and-policy-minor.html

Program Director: Augustine Frimpong-Mansoh, Department of Sociology, Anthropology, and Philosophy

Ethical issues have become increasingly prevalent in health care and health policy. The interdisciplinary minor in Healthcare Ethics and Policy provides students with breadth and depth competence in the ethical dimensions of health care and health policy. The program particularly aims at preparing students with deep understanding of the ethical issues that arise in the contexts of health care, public health, health policy, biomedicine, biotechnology, and scientific research in multicultural society. The program encourages the study of ethical values and application of ethical principles in all aspects of the health care industry. The program is open to students in all majors; the target audience includes students in nursing, allied health, philosophy, psychology, sociology, journalism, English, communication studies, organizational leadership, political science, anthropology and social work. The program would be particularly beneficial to students seeking career paths in clinical ethics, ethics consultation, bioethics, philosophy, religion, nursing, social work, human services, psychology, journalism, sociology, anthropology, biomedical research, public health, public policy, health insurance, human resources, and many other professions in the health care industry.

Program Objectives and Outcomes

Students who successfully complete this interdisciplinary program will acquire skills and competencies in:

moral reasoning and ethical theory.
medical and bioethical issues and concepts.
professional codes and guidelines.
relevant health law/policy.
the health care system.
organizational/institutional policies.
the multicultural nature of health care institutions and their clients.

REQUIREMENTS (21 CREDITS)

The minor in the Healthcare Ethics and Policy consists of a minimum of 21 semester hours, including a 3 semester hour core course in health care ethics and 18 semester hours of elective courses. Philosophy majors choosing this minor must take at least 12 hours outside their discipline.

Core Course (3 credits)

PHI 220 Health Care Ethics - AH (3 credits)

Moral Reasoning and Ethical Theory (6 credits)

LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
PHI 200 Introduction to Ethics - AH (3 credits)
PHI 300 Ethics and Social Responsibility (3 credits) ♦
PHI 302 Ethics and Scientific Research (3 credits) ♦
PHI 308 Professional Ethics (3 credits) ♦
PHI 309 Global Ethics (3 credits) ♦

Policy and Leadership (6 credits)

No more than 3 credit hours from the same discipline.

ANT 375 Anthropology of Aging (3 credits) ♦
CMST 303 Organizational Communication (3 credits) ♦
ENG 347 Technical Writing (3 credits) ♦
HSC 413 Aging in Today's Society (3 credits)
LDR 300 Foundations of Leadership (3 credits) ♦
PHI 320 Social and Political Philosophy (3 credits) ♦
PHI 330 Philosophy and Law (3 credits) ♦
PSY 344 Industrial/Organizational Psychology (3 credits) ♦
SOC 480 Global Aging Issues and Policies (3 credits) ♦

Foundational Knowledge in Health Care (6 credits)

No more than 3 credit hours from the same discipline.

ANT 321 Medical Anthropology (3 credits) ♦
CMST 345 Family Communication (3 credits) ♦
CMST 403 Health Communication (3 credits) ♦
HIN 355 Foundations of Health Informatics (3 credits)
HSR 300 Ethics & Issues in Human Svc Profession (3 credits) ♦
PHI 306 Philosophy and Science (3 credits) ♦
PHI 340 Neuroethics (3 credits) ♦
PHI 360 Environmental Philosophy (3 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
REL 370 Religion and Science (3 credits) ♦
SOC 371 Environment, Society, and Public Health (3 Credits) ♦
SOC 450 Medical Sociology (3 credits) ♦

History Minor

Available in both traditional and fully-online formats.

The minor in history consists of 21 credit hours. Only history courses in which a student earns a C or better will count toward a history minor. For more information on the online format, contact Distance and Online Learning.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Select one pair of courses from the following (6 credits)

HIS 100 History of Europe to 1500 (3 credits)
HIS 101 History of Europe since 1500 (3 credits)
OR
HIS 102 History of the United States through 1877 - AH (3 credits)
HIS 103 History of the United States since 1877 - AH (3 credits)
OR
HIS 106 History of African Americans to 1877 (3 credits)
HIS 107 History of African Americans since 1877 (3 credits)
OR
HIS 108 World History to 1500 (3 credits)
HIS 109 World History since 1500 (3 credits)

Select five 200/300/400-500-level HIS courses (15 credits)

Human Services and Addictions Minor

The minor in Human Services and Addictions is an excellent choice for majors in the behavioral, social or health sciences, or for any student interested in a helping profession. To complete the minor, students must earn at least a *C*- in HSR 100 Society and Human Services - SB (3 credits) and 18 additional credit hours of HSR courses. Six of the 18 credit hours must be at the 300 level or above. Minors are not eligible to participate in the field experience courses (HSR 304 and HSR 404). HSR courses are offered in an online or hybrid format.

Students must take electives in addition to required courses to meet the academic requirements for certification and/or licensure as a chemical dependency counselor in Kentucky and Ohio. Students may also elect to choose practicum sites that will provided necessary fieldwork experience and hours that will aid in the certification/licensure process and requirements. It is important to review each state's licensure and/or certification requirements for becoming a chemical dependency counselor.

♦ Indicates prerequisite.

REQUIRED CORE (3 HOURS)

HSR 100 is required with a *C*- or better.

HSR 100 Society and Human Services - SB (3 credits)

ELECTIVES (18 CREDITS)

Eighteen (18) additional hours of HSR courses (excluding HSR 304 and HSR 404) beyond HSR 100 including at least six (6) hours of HSR courses numbered 300 and above. All courses counting towards the minor must be completed with at least a *C*-.

Industrial Technology Minor

The minor in industrial technology is designed to supplement the knowledge and expertise of students majoring in one of the STEM fields who have an interest in design, problem-solving materials processes, and robotics. Students majoring in MMET are not eligible for this minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

EGT 116 Introduction to Manufacturing (3credits)
EGT 161 DC Circuit Analysis (3 credits) ♦
EGT 211 Quality Control (3 credits) ♦
EGT 212 Computer-Aided Drafting and Design (3 credits)
EGT 265 Manufacturing Processes and Metrology (3 credits) ♦
EGT 320 Robotic Systems and Material Handling (3 credits) ♦
EGT 365 CNC & Manufacturing Process Planning (3 credits) ♦

Information Security Minor

The information security minor prepares students for work as specialists on corporate information security teams.

A minor in information security requires between 28 and 31 credit hours, depending upon ACT/SAT scores or successful completion of placement testing. This minor is particularly well suited for students majoring in computer information technology.

Special graduation requirements: Students must earn a grade of C- or better in each course that counts as part of a major or minor for all programs offered by the school.

REQUIREMENTS FOR MINOR (28-31 CREDITS)

Core Requirements

INF 120 Elementary Programming - NS (3 credits) ♦ (or placement)
CIT 130 Information Technology Fundamentals (3 credits) ♦
CIT 171 Introduction to Linux (1 Credit)
CYS 285 Cybersecurity Fundamentals (3 credits)
CIT 371 Unix Systems (3 credits) ♦
INF 284 Introduction to Computer Networks (3 credits) ♦

STA 205 Statistical Methods - QR (3 credits) ♦
OR
STA 205R Statistical Methods with Recitation - QR (3 credits)
OR
STA 250 Probability and Statistics I (3 credits) ♦

BIS 300 Management Information Systems (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦
BIS 382 Information Security Management (3 credits) ♦

Select one course from the following (3 credits)

CSC 482 Computer Security (3 credits) ♦
CYS 430 Computer Forensics (3 credits) ♦
CYS 385 Cybersecurity Analysis I (3 credits)
CYS 484 Network Security (3 credits) ♦

Information Systems Minor

The minor in Information Systems consists of 24 credit hours (18 hours required plus 3 credit hours of electives at the 100 level and above and 3 credit hours of electives at the 300/400/500 level).

REQUIREMENTS FOR MINOR (24 CREDITS)

Core Requirements

INF 110 Introduction to Application Development (3 credits)
OR
INF 120 Elementary Programming - NS (3 credits) ♦

INF 282 Introduction to Databases (3 credits) ♦
BIS 300 Management Information Systems (3 credits) ♦
BIS 275 Introduction to Business Analysis (3 credits)
BIS 310 Systems Analysis and Design (3 credits) ♦
BIS 330 IT Project Management (3 credits) ♦

Select one course from the following (3 credits)

INF 284 Introduction to Computer Networks (3 credits) ♦
INF 286 Introduction to Web Development (3 credits) ♦

Select one course from the following (3 credits)

BIS 305 Advanced Business Programming (3 credits) ♦
BIS 380 Quantitative Analysis for Business (3 credits) ♦
BIS 382 Information Security Management (3 credits) ♦
BIS 384 Business Analytics (3 credits) ♦
BIS 402 Programming for E-Business (3 credits) ♦
BIS 357 Enterprise Resource Planning (3 credits) ♦
BIS 420 Business Intelligence & Enterprise Appl. (3 credits) ♦
BIS 430 Business Process Analysis (3 credits) ♦
BIS 435 Database Management Systems (3 credits) ♦
BIS 440 Global Information Technology Management (3 credits) ♦

Interdisciplinary Honors Minor

The Interdisciplinary Honors Minor encourages students to enrich their undergraduate experience by taking a range of courses that encourage interdisciplinary approaches to critical thinking, scholarly inquiry, and engaged citizenship. This program offers flexible options for students who enter the NKU Honors College with credit for prior learning in General Education, and it allows students to create a minor in honors that corresponds to their personal and professional interests and goals. The Interdisciplinary Honors Minor emphasizes creative approaches to problem-solving, intellectual risk-taking, global citizenship, and social responsibility.

FIRST YEAR EXPERIENCE IN HONORS (1-6 HOURS)

All students in the Interdisciplinary Honors Minor elect a First Year Experience in Honors course or courses with the guidance of their honors adviser. Select one of the three choices below.

Choice 1 (6 hours)

HNR 101 Introduction to Honors Learning - WC/OC (3 credits) ♦
HNR 102 Interdisciplinary Research Process - WC/OC (3 credits) ♦

Choice 2 (2 hours)

HNR 100 Curiosity and Conversation in Honors (1 credit) ♦
HNR 200 Project-Based Learning in Honors (1 credit) ♦

Choice 3 (1 hour)

HNR 200 Project-Based Learning in Honors (1 credit) ♦

INTERDISCIPLINARY HONORS COURSES

Students select elective courses that together with their First Year Experience and Capstone Experience courses total a minimum of 18 credit hours.

HNR 210 Scholarly Approaches to the Nat. World - NS/QR (4 credits) ♦
HNR 220 Scholarly Approaches to Society - SB (3 credits) ♦
HNR 230 Scholarly Approaches to Humanity - AH/SB (3 credits) ♦
HNR 240 Sophomore Honors Enhancement (0-1 credits) ♦
HNR 301 Humanity and Nature (3 credits) ♦
HNR 302 Humanity and Society (3 credits) ♦
HNR 303 Humanity and the Imagination (3 credits) ♦
HNR 304 Humanity and Technology (3 credits) ♦
HNR 306 Studies in Diversity (3 credits) ♦
HNR 307 Studies in Film and Media (3 credits) ♦

HNR 308 The World in Transition (3 credits) ♦
HNR 309 World Cities/World Cultures (3 credits) ♦
HNR 310 Community & the Natural World - NS/QR (3 credits) ♦
HNR 311 Global Citizen in the Natural World - NS/QR (3 credits) ♦
HNR 320 Community and Society - SB (3 credits) ♦
HNR 321 Global Citizen in Society - SB (3 credits) ♦
HNR 330 Community and Humanity - AH/SB (3 credits) ♦
HNR 331 Global Citizen and Humanity - AH/SB (3 credits) ♦
HNR 340 Junior Honors Enhancement (0-1 credits) ♦
HNR 392 Directed Research: Honors (1-3 credits)
HNR 394 Honors Special Topics (1-3 credits) ♦
HNR 395 Honors Study Abroad (3 credits)
HNR 396 Honors Internship (1-3 credits) ♦
HNR 440 Senior Honors Enhancement (0-1 credits) ♦

CAPSTONE EXPERIENCE IN HONORS

Students must complete a minimum of three Capstone credit hours over at least two semesters to fulfill this requirement.

All students in the Interdisciplinary Honors Minor complete HNR 490 (0 credits).

Other required courses from which students choose to fulfill the Capstone Experience in Honors include:

Departmentally approved options

HNR 492 (1-3 credits)

HNR 491 (0-3 credits)

HNR 497 (1-3 credits)

Students should consult the Capstone Handbook to identify which courses to select for their project.

HNR 490 Honors Capstone Completion (0 credits) ♦
HNR 491 Honors Capstone / Thesis I (0-3 credits) ♦
HNR 492 Directed Research: Honors (1-3 credits) ♦
HNR 497 Honors Capstone/Thesis II (1-3 credits)

International Business Minor

The minor in international business provides students with an introduction to the global aspects of business with emphases in economics and management, as well as a study abroad component for experiential learning. Other topics with international elements may include marketing, supply chain, politics, sports, and business level of a foreign language.

MINOR IN INTERNATIONAL BUSINESS (18 HOURS)

The minor in international business includes 4 required courses and 2 elective courses totaling 18 hours.

Required Courses (12 hours)

ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
ECO 305 Foundations of International Business (3 credits) ♦
IBU 395 Study Abroad in Business (3 credits) ♦
MGT 360 Comparative International Management (3 credits) ♦

Elective Courses (6 hours)

Select two of the following (Note: Students declared as a BSBA pre-major or major will not receive elective credit for ACC 150 and MKT 205.)

ACC 150 Accounting for Non-Business Majors (3 Credits)
ECO 340 International Economics (3 credits) ♦
FRE 340 Business French (3 credits) ♦
IBU 396 International Business Internship (1-6 credits) ♦
JPN 340 Business Japanese (3 credits) ♦
GSCM 207 Introduction to Supply Chain Management (3 credits) ♦
MKT 205 Principles of Marketing (3 credits) ♦
MKT 333 Global and Cultural Issues in Marketing (3 credits) ♦
PSC 410 International Political Economy (3 credits) ♦
SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
SPI 340 Business Spanish (3 credits) ♦

International Studies Minor

Program Coordinator: Ryan Salzman, Department of Political Science, Criminal Justice, and Organizational Leadership

An international studies minor works well with a variety of degrees. With the global marketplace, there is more call for individuals with knowledge of the world. This minor benefits those who plan careers in international business, law, journalism, government, politics, and foreign service. All lend themselves to the use of this minor.

A minor in international studies consists of 18 credit hours, including a 6-credit-hour core, 6 credit hours of secondary requirements (from two different disciplines) and 6 credit hours of elective courses chosen in consultation with the program coordinator.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements

PSC 103 International Politics - AH (3 credits)
PSC 470 Globalization (3 credits) ♦

Select two of the following courses from two different disciplines (6 credits)

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
HIS 111 Global Viewpoints in History - AH (3 credits)
ECO 100 Principles of Macroeconomics - SB (3 credits) ♦
GEO 101 World Regional Geography (3 credits)
LDR 160 Leadership Around the World - AH (3 credits)

PSC 102 Comparative Politics - AH (3 credits)
SOC 101 Global Inequalities - SB (3 credits)

Select two (6 credits)

300-level or above electives for any category of the major's elective courses.

Japanese Minor

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

JPN 201 Intermediate Japanese I (3 credits) ♦
JPN 202 Intermediate Japanese II (3 credits) ♦
JPN 304 Japanese Composition and Conversation (3 credits) ♦

Culture Study (3 credits)

Select one course from the following

JPN 294 Topics in Japanese for the Professions (3 credits) ♦
JPN 307 Introduction to Japanese Translation (3 credits) ♦
JPN 311 Japanese Cultural History (3 credits) ♦
JPN 325 Japanese Myth and Folklore (3 credits) ♦
JPN 330 Studies in Japanese Language Cinema (3 credits)
JPN 340 Business Japanese (3 credits) ♦
JPN 401 Japanese Phonetics and Pronunciation (3 credits) ♦
JPN 402 Advanced Japanese Grammar and Syntax (3 credits) ♦
JPN 480 Studies in Japanese Culture (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦ (Culture topic)

Literary Study (3 credits)

Select one course from the following:

JPN 320 Survey of Japanese Literature (3 credits)
JPN 322 Japanese Drama (3 credits)
JPN 323 Japanese Fiction (3 credits)
JPN 481 Studies in Japanese Literature (3 credits)
JPN 520 Readings in Japanese (3 credits) ♦ (Literary topic)

Electives (6 credits)

Select two JPN courses above the 202 level. May substitute WLL 294 if it has Japanese topic. May also substitute WLL 396.

Journalism Minor

JOU minors must earn a letter grade of *C*- or better as well as a 2.0 GPA in their minor courses. It is the policy of the School of Media and Communication that the courses offered by the school (CMST, COM, DFX, EMB, HCOM, JOU, POP, PRE courses) cannot be double counted toward the majors and minors in the school unless the required course is the only option.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

JOU 220 News Writing (3 credits) ♦
JOU 230 News Reporting and Writing (3 credits) ♦
JOU 485 Mass Communication Law (3 credits) ♦
JOU 440 Current Topics in Media Ethics (3 credits) ♦
Select two 300/400-level JOU courses (EMB 308 may count as one of these two courses) (6 credits)

FOUNDATION OF KNOWLEDGE COURSE REQUIREMENT (3 CREDITS)

JOU 110 Introduction to Mass Communication - SB (3 credits)

Library Informatics Minor

♦ Indicates prerequisite

CORE COURSES (21 CREDITS)

LIN 175 Information Literacy - SB (3 credits)
LIN 300 Information in Our Society (3 credits)
LIN 301 Introduction to Meta Information System (3 credits) ♦
LIN 302 Digital Searching Interfaces (3 credits)
LIN 400 Current Trends in Information Studies (3 credits)

Select two courses from the following (6 credits)

LIN 303 Critical Reading (3 credits)
LIN 305 Government Information (3 credits)
LIN 394 Topics (3 credits)
LIN 405 Intellectual Property and Information Rights (3 credits) ♦
LIN 414 Advanced Information Literacy Skills (3 credits) ♦
LIN 420 Management in Library and Information Centers (3 credits) ♦
LIN 499 Independent Study: Library Informatics (1-3 credits) ♦

Management Minor

Available in both traditional and fully-online formats.

The required courses in the management minor focus primarily on the behavioral aspects of management, that is, the study of why people behave the way they do in work organizations and how managers can behave to effectively influence others and achieve organizational goals. Two elective courses allow students to explore areas of individual interest.

This minor is offered in a traditional classroom format or as an online minor. Students must declare format.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

CMST 220 Interpersonal Communication (3 credits) ♦
MGT 205 Business Management Principles (3 credits) ♦
MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits) ♦
MGT 310 Leading High Performing Teams (3 credits) ♦
MGT 340 Human Resource Administration (3 credits) ♦
Select two 300/400-level MGT courses (6 credits)

Marketing Minor

The two required courses provide a general introduction to organizations and their management, an overview of the practice of marketing in for-profit and not-for-profit organizations, and an analytically oriented understanding of consumer behavior in the marketplace. A wide choice of elective courses allows students to focus on their own specific interests in the field of marketing.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements

MKT 205 Principles of Marketing (3 credits) ♦
MKT 300 Marketing Tools (3 credits) ♦
Four 300 or 400-level MKT courses (12 credits)

Mathematics Minor

The minor in mathematics requires 21 credit hours and a GPA of at least a 2.0 and *C-* in classes relating to the minor. It is not open to students majoring in either mathematics or statistics.

NOTE:

At least 6 credit hours toward the minor must be completed at NKU.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

MAT 129 Calculus I - QR (4 credits) ♦ and
MAT 229 Calculus II (5 credits) ♦
OR
MAT 128 Calculus A - QR (3 credits) ♦ and
MAT 227 Calculus B (3 credits) ♦ and
MAT 228 Calculus C (3 credits) ♦

MAT 234 Linear Algebra (3 credits) ♦

Select 9 additional credit hours

MAT courses at the 300 level or above. (May substitute no more than two of STA 250, CSC 270, MAT 119.) (9 credits)

Medieval and Renaissance Studies Minor

Location: Landrum Academic Center 415
Telephone: 859-572-5461
Fax: 859-572-6088
Email Address: hisgeo1@nku.edu
Web Address:
http://artscience.nku.edu/departments/hisgeo/programs/medieval-renaissance.html
Program Coordinator: William Landon, Department of History

The minor in medieval and Renaissance studies is historical in perspective with an emphasis on cultures and civilizations of Western Europe from the fifth to the 16th centuries. The minor is interdisciplinary in scope, with courses from art, English, history, language, music, philosophy, and political science included in its curriculum. The medieval and Renaissance studies minor introduces students to methods, materials, and texts reflecting the human dimension of medieval cultures and the living heritage of medieval and Renaissance cultures in modern civilizations.

The minor in medieval and Renaissance studies requires completion of 21 credit hours in designated courses. " HIS 303 Europe in the Middle Ages (3 credits) " and " HIS 304 Renaissance Europe (3 credits)" are required, and the remaining 15 credit hours must be selected from three disciplines and must include at least one semester of the study of a foreign language included in the list below.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

HIS 304 Renaissance Europe (3 credits) ♦

HIS 470 Europe in the Ancient World (3 Credits)
OR
HIS 471 Medieval and Early Modern Europe (3 Credits)

Select 15 credit hours from the following

(must include at least 3 credit hours in a foreign language)

ANT 370 Celtic Europe (3 credits) ♦
ARTH 101 History of Art: Prehistoric through Goth (3 credits)
ENG 308 Shakespeare I (3 credits) ♦
ENG 309 Shakespeare II (3 credits) ♦
ENG 401 Chaucer (3 credits) ♦
ENG 402 Middle English Literature (3 credits) ♦
ENG 403 Old English (3 credits) ♦
FRE 101 Elementary French I - AH (3 credits)
FRE 102 Elementary French II (3 credits) ♦
FRE 201 Intermediate French I (3 credits) ♦
FRE 202 Intermediate French II (3 credits) ♦
HIS 353 British History to 1485 (3 credits) ♦

HIS 442 History through Biography (3 credits) ♦ (if medieval or Renaissance topic)
ITA 101 Elementary Italian I - AH (3 credits)
ITA 102 Elementary Italian II (3 credits) ♦
ITA 201 Intermediate Italian I (3 credits) ♦
ITA 202 Intermediate Italian II (3 credits) ♦
LAT 101 Elementary Latin I - AH (3 credits)
LAT 102 Elementary Latin II (3 credits) ♦
LAT 201 Intermediate Latin I (3 credits) ♦
LAT 202 Intermediate Latin II (3 credits) ♦
MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)
PHI 385 History of Modern and Contemporary Philosophy (3 credits) ♦
PSC 370 Ancient Political Theory (3 credits) ♦

Military History Minor

A minor in military history offers a range of courses to students who are interested in war and peace. It consists of 21 credit hours.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Select seven courses from the following

HIS 300 The Ancient Near East and Greece (3 credits) ♦
HIS 301 The Hellenistic World and Ancient Rome (3 credits) ♦
HIS 365 Ancient European Military History (3 credits) ♦
HIS 380 History and Film (3 credits) ♦ (when topic applies)
HIS 394 Special Topics in History (3 credits) ♦ (when topic applies)
HIS 400 American Military History to 1865 (3 credits) ♦
HIS 401 American Military History 1865-Present (3 credits) ♦
HIS 414 The Holocaust (3 credits) ♦
HIS 417 Civil War and Reconstruction, 1860-1877 (3 credits) ♦
HIS 453 American Frontier (3 Credits)
HIS 485 History of Terrorism (3 credits) ♦
HIS 492 Directed Research: History (3 Credits) ♦
HIS 499 Independent Study: History (1-3 credits) ♦
HIS 494 Topics: History (3 credits) ♦ (when topic applies)
HIS 592 Directed Research in History (1-6 credits) ♦
HIS 594 Special Topics in History (1-3 credits) ♦ (when topic applies)
HIS 599 Independent Study: History (0-6 credits) ♦

Music Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (26 CREDITS)

Core Requirements

MUSM 111 Music Theory I (3 credits) ♦
MUSM 112 Music Theory II (3 credits) ♦
MUSM 122 Aural Skills I (1 credit)
MUSM 124 Aural Skills II (1 credit) ♦
Applied music - any MUSA courses (2 credits)
Ensembles - any MUSE courses (2 credits)
Electives in music - any other MUSM courses (8 credits)
MUSM 140 Introduction to Music History (1 credits)
MUSM 242 Survey of Western Music I (2 credits)
MUSM 353 Survey of Western Music II (3 credits) ♦

Native American Studies Minor

Location: Landrum Academic Center 217C
Telephone: 859-572-5259
Fax: 859-572-6086
Email Address: jones33@nku.edu; batesh@nku.edu
Web Address:
http://inside.nku.edu/artsci/departments/sapdept/anthropology/undergraduate-programs/native-american-studies-minor.html
Program Director: Sharyn Jones and Eric Bates, Department of Sociology, Anthropology, and Philosophy

Native American Studies focuses on the prehistory, history, contemporary situation, and way of life of Native Americans (American Indians). For more than 95 percent of the time that humans have lived in the Americas, the only people here have been Native Americans. To understand the history and cultures of the Americas, one must start with Native peoples of these lands. Far from disappearing either physically or culturally, Native Americans today are increasing in numbers and represent hundreds of vibrant and unique ways of life. To learn about Native Americans is to explore yet another avenue of what it means to be human.

The commonwealth of Kentucky is rich in Native American culture. NKU is located in the heart of the prehistoric Ohio Valley mound-builder cultures of Adena, Hopewell, and Fort Ancient, on lands claimed by both the historic Shawnee and Cherokee. The University is only about 50 miles from the Kentucky Center for Native American Arts and Culture and is recognized by the Kentucky Native American Heritage Commission. NKU's Native American studies program is the only such program in Kentucky. NAS minors are encouraged to participate in NKU's two Native American student organizations: the Native American Student Association and Kiksuya. Each year, NKU anthropology faculty present the Outstanding Student in Native American Studies Award. NAS minors may actively engage in Native American studies outside the classroom (including working on museum exhibits and develop résumé-worthy skills important in the job quest. Through Kiksuya, NKU students can visit a reservation in the Dakotas.

The Native American Studies minor helps students develop specific skill-sets that can be applied to many carrier-paths such as Native policies/affairs, film, literature, history, arts, and environmental issues. NAS minors are also able to navigate the many growing cross-cultural and diversity issues that exists in the United States.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

SOC 345 Native American Social Issues (3 credits) ♦
ANT 230 North American Indians - SB (3 credits)
ANT 231 Modern American Indians - SB (3 credits)
ANT 350 North American Archaeology (3 credits) ♦

Select three courses from the following (9 credits)

(courses chosen must be in at least two different disciplines)

ANT 307 Museum Methods (3 credits) ♦
ANT 315 Archaeological Excavation Methods (3-4 credits) ♦
ANT 318 Prehistoric Ecology (3 credits) ♦
ANT 331 Women in Prehistory (3 credits) ♦
ANT 352 Archaeology of Mesoamerica (3 credits) ♦
ANT 358 Art and Culture (3 credits) ♦
ANT 360 Mesoamerican Indians (3 credits) ♦
ANT 382 Visual Anthropology (3 credits) ♦
ANT 394 Topics: Anthropology (3 credits) ♦ (with permission, if Native American emphasis)
ENG 212 Literatures of Inclusion - SB (3 credits) (with permission, if Native American emphasis)
ENG 300 American Women Poets (3 credits) ♦ (with permission, if Native American emphasis)
ENG 307 Diverse Voices in English Studies (3 credits) ♦ (with permission, if Native American emphasis)
HIS 453 American Frontier (3 Credits)
HIS 394 Special Topics in History (3 credits) ♦ (with permission, if Native American emphasis)
MUS 106 Music of World Cultures - AH (3 credits)
REL 394 Topics: Religious Studies (3 credits) ♦ (with permission, if Native American emphasis)
SOC 301 World Patterns of Race Ethnicity (3 credits) ♦
SOC 394 Topics: Sociology (3 credits) (with permission, if Native American emphasis)
Other appropriate courses (9 credits) (with permission, if Native American emphasis)

Neuroscience Minor

Location: Department of Biological Sciences, SC 204

Telephone: 859-572-5110

Fax: 859-572-5639

Email Address: curranc1@nku.edu

Web Address:
http://www.nku.edu/academics/artsci/programs/undergraduate/Neuroscience.html

Program Director: Christine Curran, Department of Biological Sciences

Other Faculty:
Mark Bardgett, Department of Psychological Science, Ty Brumback, Department of Psychological Science, Rudy Garns, Department of Sociology, Anthropology, and Philosophy; Kevin Kirby, Department of Computer Science; Cecile Marczinski, Department of Psychological Science, Brittany Smith, Department of Psychological Science, Monica Wakefield, Department of Sociology, Anthropology, and Philosophy, Lindsey Walters, Department of Biological Sciences, Lauren Williamson, Department of Biological Sciences, Justin Yates, Department of Psychological Science

Neuroscience is an integrative scientific discipline that seeks to: (1) better understand nervous system structure and function, and (2) use this knowledge to better understand mental processing and behavior. In addressing these goals, neuroscience borrows from an array of disciplines including chemistry, biology, physics, psychology, computer science, philosophy, anthropology, mathematics, pharmacology, and education. In turn, the knowledge gained through neuroscience research can advance the fields of medicine, biology, pharmacology, psychology, education, social work, forensics, marketing, and computer science, among others.

Students participating in the minor program will be introduced to a variety of perspectives on the field of neuroscience. These perspectives include neurobiology, evolution of mind/brain, theories of mind, behavioral neuroscience, psychopharmacology, cognitive science, computational neuroscience, animal behavior, and perception. The neuroscience minor may be an attractive addition to a major in natural science, mathematics, computer science, social science, or humanities, and it should enable students to address issues and dilemmas in their major field from a neuroscience perspective. It may also better prepare students who are considering careers in health professions or graduate study in fields impacted by neuroscience, such as psychology, education, chemistry, biology, pharmacology, computer science, philosophy, and social work.

In choosing electives, students must choose two from outside of their major. Psychology majors can apply only six hours of minor coursework to their major. It is strongly recommended that students enroll in NEU courses as electives. Students must earn a grade of *C*- or better in all courses applied toward certification of the minor and a cumulative 2.0 GPA in those courses.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (23 CREDITS)

Core Requirements

NEU 301 Neuroanatomy (4 credits) ♦ and
NEU 301L Neuroanatomy Laboratory (0 credits) ♦
OR
NEU 302 Neurosignaling (4 credits) ♦ and
NEU 302L Neurosignaling Laboratory (0 credits) ♦

NEU 493 Neuroscience Seminar (1 credit) ♦

PHI 300 Ethics and Social Responsibility (3 credits) ♦
OR
PHI 302 Ethics and Scientific Research (3 credits) ♦
OR
PHI 306 Philosophy and Science (3 credits) ♦
OR
PHI 315 Knowledge and Reality (3 credits) ♦
OR
PHI 340 Neuroethics (3 credits) ♦
OR
PHI 345 Philosophy of Mind (3 credits) ♦

PSY 311 Biopsychology (3 credits) ♦

Select one course from the following

BIO 402 Evolutionary Neurobiology (4 credits) ♦ and
BIO 402L Evolutionary Neurobiology Laboratory (0 credits)

BIO 440 Animal Behavior (4 credits) ♦ and
BIO 440L Animal Behavior Laboratory (0 credits)

NEU 401 Brain, Behavior and Immunity (4 credits) AND
NEU 401L Brain, Behavior and Immunity Lab (0 credits) ♦

PSY 338 Cognitive Processes (3 credits) ♦
PSY 421 Psychopharmacology (3 credits) ♦

Select three courses totaling 9 hours or more from the following

ANT 202 Biological Anthropology - NS (4 credits)
ANT 275 Language and Culture (3 credits)
ANT 333 Paleoanthropology Laboratory (3 credits) ♦
ANT 334 Behavioral Field Methods (3 credits) ♦
ANT 340 Ethnographic Methods and Research (3 credits) ♦
ANT 342 Quantitative Methods in Anthropology (3 credits) ♦
ANT 347 Primate Behavioral Ecology (3 Credits)
ANT 348 Primate Sexuality (3 Credits) ♦
ANT 371 Psychological Anthropology (3 credits) ♦

BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦ and
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

BIO 305 Developmental Biology (4 credits) ♦ and
BIO 305L Developmental Biology Laboratory (0 credits)

BIO 349 Genetics (4 credits) ♦ and
BIO 349L Genetics Laboratory (0 credits)

BIO 400 Advanced Molecular Biology (4 credits) ♦ and
BIO 400L Advanced Molecular Biology Laboratory (0 credits)

BIO 402 Evolutionary Neurobiology (4 credits) ♦ and
BIO 402L Evolutionary Neurobiology Laboratory (0 credits)

BIO 407 Ornithology (4 credits) ♦ and
BIO 407L Ornithology Laboratory (0 credits)

BIO 425 Advanced Human Anatomy and Physiology I (4 credits) ♦ and
BIO 425L Adv. Human Anatomy and Physiology I Lab (0 credits)

BIO 436 Advanced Biology of the Cell (3 credits) ♦

BIO 440 Animal Behavior (4 credits) ♦ and
BIO 440L Animal Behavior Laboratory (0 credits)

BIO 467 Endocrinology (3 credits) ♦
CSC 325 Introduction to Machine Learning (3 credits) ♦
NEU 101 Neuroscience for Life: Sex to Society - SB (3 credits)

NEU 301 Neuroanatomy (4 credits) ♦
AND
NEU 301L Neuroanatomy Laboratory (0 credits) ♦

NEU 302 Neurosignaling (4 credits) ♦
AND
NEU 302L Neurosignaling Laboratory (0 credits) ♦

NEU 401 Brain, Behavior and Immunity (4 credits)
AND
NEU 401L Brain, Behavior and Immunity Lab (0 credits) ♦

NEU 492 Neuroscience Research (1-3 credits) ♦
NEU 493 Neuroscience Seminar (1 credit) ♦
NEU 495 Neuroscience Study Abroad (1-3 credits) ♦
NEU 496 Neuroscience Internship (1-3 credits) ♦
NEU 499 Independent Study in Neuroscience (1-3 credits) ♦
PHI 265 Logic - QR (3 credits) ♦
PHI 306 Philosophy and Science (3 credits) ♦
PHI 315 Knowledge and Reality (3 credits) ♦
PHI 340 Neuroethics (3 credits) ♦
PHI 345 Philosophy of Mind (3 credits) ♦
PSY 309 Psychology of Perception (3 credits) ♦
PSY 309L Psychology of Perception Laboratory
PSY 311L Biopsychology Laboratory (2 credits) ♦
PSY 333 Abnormal Psychology (3 credits) ♦
PSY 337 Animal Learning (3 credits) ♦
PSY 338 Cognitive Processes (3 credits) ♦
PSY 338L Cognitive Processes Laboratory (2 credits) ♦
PSY 421 Psychopharmacology (3 credits) ♦
PSY 465 Health Psychology (3 credits) ♦
PSY 465L Clinical Health Psychology Laboratory (2 credits) ♦
PSY 494 Topics: Psychology (3 credits) ♦

Organizational Leadership Minor

Program Coordinator: Amanda Kilmer, Department of Political Science, Criminal Justice and Organizational Leadership

Available in both traditional and fully-online formats.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements

LDR 300 Foundations of Leadership (3 credits) ♦
LDR 308 Leadership Development (3 credits) ♦

Select 12 additional credit hours of LDR courses

Note: Organizational Leadership Minor students may not exceed 3 total credit hours of LDR 301, LDR 396 , and LDR 496 courses combined.

Philosophy Minor

The minor in philosophy requires 21 credit hours of PHI classes with at least 6 credit hours at the 300 level or above. Students must make a *C*- or better in all courses.

Photography Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements (15 credits)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦
ARTO 210 Photography I (3 credits) ♦
ARTO 310 Photography II: Digital Techniques (3 credits) ♦
ARTO 312 Introduction to Studio and Location (3 credits) ♦

Select two courses from the following (6 credits)

ART 317 Web and Social Media for Artists (3 credits) ♦
ARTH 358 History of Photography (3 credits)
ARTO 410 Advanced Concepts in Photography (3 credits) ♦
ARTO 413 Advanced Location Photography (3 credits) ♦
ARTO 414 Advanced Studio Photography (3 credits) ♦
ARTO 415 Documentary Photography (3 credits) ♦
ARTO 411 Summer Workshop in Photography (3 credits) ♦

Physical Education Minor

The minor in physical education is offered as an option for students interested in the field of physical activity. The courses provide an initial level of training appropriate for an academic minor at NKU. The physical education minor does not result in certification to teach physical education in the schools. Students must achieve a GPA of at least a 2.50 in the PHE, KIN, and HEA courses listed below.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (22 CREDITS)

KIN 125 Introduction to Physical Education, Fitness, and Sport (3 credits)
HEA 135 Safety and First Aid (3 credits)
PHE 334 Team Sports (2 credits)
PHE 335 Individual and Dual Sports (2 credits)
KIN 325 Motor Development, Learning, and Control (3 credits)
KIN 325L Motor Development, Learning, and Control (1 credit)
KIN 360 Statistics and Measurement in Kinesiology (3 credits) ♦
PHE 333 Motor Skill and Fitness Activities for Children (3 credits)
PHE 231 Dance and Rhythmic Activities (2 credits)

Physics Minor

The minor in physics requires 21 credit hours of physics and astronomy. Credit in PHY 110 cannot be applied to the minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements (10 or 12 credits)

PHY 211 General Physics with Laboratory I - SL (4 credits) ♦ and
PHY 213 General Physics with Laboratory II (4 credits) ♦
OR
PHY 220 University Physics with Laboratory I - SL (4 credits) ♦ and
PHY 222 University Physics with Laboratory II (4 credits) ♦ and
PHY 224 University Physics with Laboratory III (4 credits) ♦

Select one course from the following (3 credits)

PHY 305 Statics (3 credits) ♦
PHY 310 Dynamics (3 credits) ♦
PHY 315 Introduction to Astrophysics (3 credits) ♦
PHY 320 Physical Optics (3 credits) ♦
PHY 330 Mathematical Physics (3 credits) ♦
PHY 360 Thermodynamics (3 credits) ♦
PHY 361 Modern Physics I (3 credits) ♦

Electives (6-8 credits)

6-8 hours of additional PHY coursework excluding PHY 110. Total hours must add up to a minimum of 21.

Political Science Minor

Program Coordinator: Kimberly Weir, Department of Political Science, Criminal Justice and Organizational Leadership

Available in both traditional and fully-online formats.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

PSC 100 American Politics - SB (3 credits)
PSC 102 Comparative Politics - AH (3 credits)
PSC 103 International Politics - AH (3 credits)

Select 12 PSC credit hours at the 300 level or above (12 credits)

Popular Culture Studies Minor

Location: Griffin Hall 400
Telephone: 859-572-5291
Fax: 859-572-5435
Email Address: smc@nku.edu
Program Director: Yasue Kuwahara, School of Media and Communication

The minor in popular culture studies offers students an opportunity to explore their cultural environment by examining aspects of cultural artifacts and events and relating them to their specific interests. The program is designed to equip the student with tools to analyze the world from the standpoint of popular culture by introducing such concepts as cultural beliefs and values, icons, heroes, rituals, stereotypes, and popular art.

Special graduation requirements: All majors and minors must earn a letter grade of *C*- or better and a 2.0 GPA in their major or minor courses.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

EMB 100 Media Literacy - AH (3 credits)
POP 205 Introduction to Popular Culture - AH (3 credits)

POP 305 Black Popular Culture (3 credits)
OR
POP 345 Japanese Popular Culture (3 credits) ♦

POP 369 Folklore and Pop Culture (3 credits) ♦
POP 492 Directed Research (0-6 credits) ♦
POP 494 Topics: Popular Entertainment (3 credits) ♦

Elective (3 credits)

Student chooses 1 elective course with the approval of the program director.

Note:

Topics courses (for example, "POP 394 Topics: Popular Culture (3 credits)") may be taken and applied toward the minor upon approval of the program director. Students who wish to substitute a course not listed above for an elective course must obtain prior approval from the program director.

Pre-Law Minor

Program Coordinator: Karen Miller, Department of Political Science, Criminal Justice and Organizational Leadership

The pre-law minor may appeal to students who major in non-law-related fields and plan to apply to law school. It exposes them to legal courses before pursuing their professional education. The minor in pre-law does not guarantee successful admission into law school nor is it a prerequisite for law school.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

Political Science Majors may count PSC 100 (required in major) and PSC 305 (required in minor) in this major and also in the Pre-Law Minor, but no additional courses may be double-counted therein.

Criminal Justice Majors may count JUS 101 and JUS 203 for both their major and the Pre-Law Minor, but no additional courses may be double-counted therein.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

A minimum grade of C- is required in each course counted as part of the minor.

Core Requirements

PSC 100 American Politics - SB (3 credits)
OR
JUS 101 Introduction to Criminal Justice - SB (3 credits)

PSC 204 Introduction to the Law (3 credits) ♦
LAW 300 The American Legal System I (3 credits) ♦
LAW 300 Pre-Req: Sophomore standing and C- or better in either PSC 100 or PSC 204

Select four courses from the following (12 credits), some courses may have pre-requisites:

PSC 305 The Judicial Process (3 credits) ♦
PSC 307 Constitutional Law (3 credits) ♦
OR
LAW 350 The American Constitution (3 credits) ♦

PSC 308 Civil Liberties (3 credits) ♦
PSC 375 Perspectives on Law (3 credits) ♦
PSC 480 International Law (3 credits) ♦
PSC 496 Internship in Political Science (1-15 credits) PSC 496 limited to only up to 3 credit hours
JUS 203 The Criminal Court Systems (3 credits)
JUS 210 Legal Research (3 credits)
JUS 302 Criminal Law (3 credits) ♦
JUS 303 Criminal Procedure (3 credits) ♦
JUS 313 Rights of the Convicted (3 credits) ♦
LAW 300 The American Legal System I (3 credits) ♦
LAW 301 The American Legal System II (3 credits) ♦
LAW 320 Legal History (3 credits) ♦
LAW 324 Environmental Law (3 credits) ♦
LAW 394 Special Topics in Law (3 credits) ♦
LAW 405 Financial Institutions and the Law (3 credits) ♦
LAW 410 Immigration and Refugee Law and Policy (3 credits) ♦
LAW 420 Employment Law (3 credits) ♦
LAW 435 Legal Communication and Persuasion (3 credits) ♦
LAW 480 Sports and the Law (3 credits) ♦

Professional Writing Minor

The professional writing minor consists of at least 21 credit hours, not including " ENG 101 Writing for College and Beyond - WC (3 credits)," " ENG 102 Writing and Research - WC (3 credits)," or "ENG 104 Honors College Writing - WC (3 credits)."

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

ENG 340 Business Writing (3 credits) ♦
OR
ENG 347 Technical Writing (3 credits) ♦

ENG 348 Editing and Content Development (3 credits) ♦
ENG 349 Content Development for Web (3 credits) ♦

BIS 101 Fundamentals of Business Computing (3 credits)
OR
JOU 321 Digital Publishing (3 credits) ♦

Select 9 credit hours from the following (9 credits)

ENG 204 Introduction to Writing Studies (3 credits) ♦
ENG 340 Business Writing (3 credits) ♦
OR
ENG 347 Technical Writing (3 credits) ♦ (whichever not taken to fulfill the above requirement)

ENG 371 Traditional Grammar (3 credits) ♦
ENG 231 Introduction to Creative Writing - AH (3 credits) ♦
ENG 345 Legal Writing (3 credits) ♦
ENG 359 Writing in Workplace Genres (3 credits) ♦
ENG 331 Persuasive Writing (3 credits) ♦
ENG 431 Screenwriting (3 credits) ♦
ENG 497 Projects: Writing (1-3 credits) ♦

Psychological Science Minor

The minor requires 24 credit hours in psychological science including "PSY 100 Introduction to Psychology - SB (3 credits)" and any 21 additional credit hours in psychological science.

Public Service Minor

Program Coordinator: Missy Gish, Department of Political Science, Criminal Justice, and Organizational Leadership

The Public Service minor is designed for students interested in careers that focus on serving others, usually through government agencies and nonprofit organizations. These careers may involve policy making, implementation and evaluation in areas such as: community and economic development, policing and emergency management, health care and education administration, community and public art programs, and so on. Some courses are offered online, and others are internships that allow students to apply classroom learning in a government, nonprofit, or related organization in the Northern Kentucky/Greater Cincinnati region, the state capital of Frankfort, or another locale (maximum 6 credit hours in internships). For students interested in pursuing a Master of Public Administration (MPA) at NKU, up to two 500-level PAD courses (e.g. PAD 500, 501, 511) may be waived by the MPA Admission Committee, after review of transcripts and consultation with the student. In effect , this creates a BA-to-MPA pathway for NKU students that decreases the required credit hours for the master's degree from 36 to 30, which saves time and money.

Special graduation requirements: Students majoring or minoring in any of the programs offered by the Department of Political Science, Criminal Justice, and Organizational Leadership must earn at least a C- in each course counted as part of their program.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

A minimum grade of C- is required in each course counted as part of the minor.

Core Requirements (9 credits)

PAD 500 Foundations of Public Administration (3 credits) ♦
PAD 501 Human Resource Management (3 credits) ♦
PAD 511 Budgeting Techniques and Applications (3 credits) ♦

Select courses from the following (9 credits)

PAD 420 Managing the Not-For-Profit Organization (3 credits) ♦
PAD 560 Planning and Community Development (3 credits) ♦
PAD 561 Local Economic Development (3 credits) ♦
PAD 582 Emergency Management (3 credits) ♦
PAD 594 Topics: Public Service (3 credits) ♦
PAD 596 Internship in Public Service (1-3 credits) ♦
PAD 599 Independent Study in Public Service (1-3 credits) ♦
PSC 100 American Politics - SB (3 credits)
PSC 403 Politics in Action (3 credits) ♦
PSC 405 Politics of Money (3 credits) ♦
JUS 301 Ethics in Criminal Justice (3 credits) ♦
JUS 413 Flawed Criminal Justice Policies (3 credits)
JUS 496 Internship: Justice Studies (1-6 credits) ♦
LDR 308 Leadership Development (3 credits) ♦
LDR 381 Organizational Ethics and Decision Making (3 credits) ♦
LDR 396 Leadership Practicum (1-6 credits) ♦

Region Studies Minor

The Region Studies Minor is a program focused on the geography, politics, history, culture, and economies of specific regions in the world. Regions of study include Asia, Europe, Latin America and the Caribbean, Middle East and North Africa, and Sub-Saharan Africa Studies.

Program Coordinator: Ryan Salzman, Department of Political Science, Criminal Justice and Organizational Leadership

CORE COURSES (6 CREDITS)

GEO 101 World Regional Geography (3 credits)
PSC 102 Comparative Politics - AH (3 credits)

ELECTIVES (12 CREDITS)

12 hours of electives are to be taken which are region-specific but can be of a single region or across multiple regions. Applicable course prerequisites must be met.

Asia

ANT 385 Peoples of East and Southeast Asia (3 credits) ♦
ARTH 304 Survey of Asian Art (3 credits) ♦
ARTH 359 Arts and Crafts of Japan (3 credits) ♦
GEO 410 Geography of East Asia (3 credits) ♦
HIS 338 History of Japan (3 credits) ♦
JPN 322 Japanese Drama (3 credits)
JPN 330 Studies in Japanese Language Cinema (3 credits)
PHI 312 Eastern Philosophy (3 credits) ♦
POP 345 Japanese Popular Culture (3 credits) ♦
PSC 388 Politics of Asia (3 credits) ♦

Europe

ANT 370 Celtic Europe (3 credits) ♦
ANT 376 Irish Society Through Film (3 credits) ♦
FRE 307 Introduction to French Translation (3 credits) ♦
FRE 320 Survey of French Literature (3 credits) ♦
GER 311 German Cultural History (3 credits) ♦
GER 320 Survey of German Literature (3 credits) ♦
GER 323 German Prose Fiction (3 credits) ♦
GER 330 Studies in German Language Cinema (3 credits) ♦
GER 340 Business German (3 credits) ♦
GER 480 Studies in German Culture (3 credits) ♦
GER 481 Studies in German Literature (3 credits) ♦
HIS 355 British History 1760 - Present (3 credits) ♦
HIS 414 The Holocaust (3 credits) ♦
PSC 330 Politics of Europe (3 credits) ♦
SPI 310 Spanish Culture and Civilization (3 credits) ♦
SPI 320 Survey of Peninsular Spanish Literature (3 credits) ♦

Latin America & the Caribbean

ANT 245 Peoples of Latin America and the Caribbean - SB (3 credits)
ANT 360 Mesoamerican Indians (3 credits) ♦
FRE 322 French Drama (3 credits) ♦
FRE 323 French Prose Fiction (3 credits) ♦
FRE 330 Studies in French Language Cinema (3 credits) ♦
FRE 340 Business French (3 credits) ♦
FRE 480 Studies in French Culture (3 credits) ♦
FRE 481 Studies in French Literature (3 credits) ♦
HIS 326 Latin America: Nations & Revolutions (3 credits) ♦
PSC 335 Politics of Latin America (3 credits) ♦
SPI 307 Introduction to Spanish Translation (3 credits) ♦
SPI 311 Spanish-American Culture and Civilization (3 credits) ♦
SPI 321 Survey of Spanish-American Literature (3 credits) ♦
SPI 322 Hispanic Drama (3 credits) ♦
SPI 323 Hispanic Prose Fiction (3 credits) ♦
SPI 330 Studies in Spanish Language Cinema (3 credits) ♦
SPI 340 Business Spanish (3 credits) ♦
SPI 480 Studies in Spanish and Spanish-American Culture (3 credits) ♦
SPI 481 Studies in Spanish and Spanish-American Literature (3 credits) ♦

Middle East & North Africa

GEO 412 Geography of South Asia and Middle East (3 credits) ♦
HIS 329 History of Middle East and North Africa (3 credits) ♦
PSC 380 Politics of the Middle East (3 credits) ♦
REL 305 Islam (3 credits) ♦
REL 306 Introduction to Judaism (3 credits) ♦

Sub-Saharan Africa Studies

ANT 309 Peoples of Africa (3 credits) ♦
HIS 335 History of Ancient Africa (3 credits) ♦
HIS 336 History of Modern Africa (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
PSC 366 Politics of Africa (3 credits) ♦

Religious Studies Minor

Location: Landrum Academic Center 217C
Telephone: 859-572-5259

Fax: 859-572-6086
Web Address:
https://inside.nku.edu/artsci/departments/sapdept/philosophy/undergraduate-programs/religious-studies-minor.html
Director: Terry Pence

Available in traditional and fully-online formats.

NKU's interdisciplinary religious studies program offers a 21-credit-hour minor designed for students who are especially interested in religious studies or who wish for career purposes to add to their general education background.

Religious studies is the scholarly examination of the widespread and diverse phenomena of human religious experiences, the expression of these experiences in systems of belief and in institutions, and their interaction with culture and society. Religion embodies some of humanity's most profound and enduring attempts to answer perennial questions about the nature of ultimate reality and about human nature and destiny. An important dimension of religious studies at NKU is its incorporation of cognate courses from other disciplines, including philosophy, history, geography, sociology, psychology, literature, anthropology, and women's and gender studies.

Religious studies provides a factual and analytical understanding of religion; sympathetic understanding of a wide range of religious traditions, cultures and values; and an introduction to the relevant literature, vocabulary, and methods used in the scholarly study of religion. This sort of an appreciation of religion is an important component in an individual's education. It is also relevant to many professions and fields including education, law, medicine, nursing, ministry, and human services, and to students interested in graduate studies in religious studies.

Students must earn a *C*- or better in all courses chosen to meet a category requirement.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirement

REL 200 World Religions and Cultures - AH (3 credits)

Category A: Religious Traditions and Sacred Texts (3 credits)

Select 3 credit hours from the following

REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits) ♦
REL 303 Survey of New Testament (3 credits) ♦
REL 305 Islam (3 credits) ♦
REL 304 Jesus (3 credits) ♦
REL 306 Introduction to Judaism (3 credits) ♦
REL 307 Survey of Christianity (3 credits) ♦
REL 317 Catholicism (3 credits) ♦
PHI 312 Eastern Philosophy (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
WGS 361 Gendering God (3 Credits) ♦
WGS 386 Women in the Bible (3 credits) ♦ (A or B)

Category B: Philosophical, Ethical, and Theological Perspectives (3 credits)

Select 3 credit hours from the following

REL 325 Celtic Christianity (3 credits) ♦ (B or C)
REL 352 Women and Religion (3 credits) ♦ (B or C)
REL 370 Religion and Science (3 credits) ♦
HIS 362 Women and Christianity (3 credits) ♦ (B or C)
PHI 305 Existentialism (3 credits) ♦
PHI 350 Philosophy of Religion (3 credits) ♦
PHI 370 Religion and Science (3 credits) ♦
PHI 371 Death and the Afterlife (3 credits) ♦
WGS 360 Gendered Spirituality (3 Credits) ♦
WGS 386 Women in the Bible (3 credits) ♦ (A or B)

Category C: Historical, Linguistic, Literary, and Scientific Perspectives (3 credits)

Select 3 credit hours from the following:

REL 301 Ancient Religions (3 credits) ♦
REL 325 Celtic Christianity (3 credits) ♦ (B or C)
REL 335 Spiritual Images In Pop Culture (3 credits) ♦
REL 352 Women and Religion (3 credits) ♦
ANT 320 Religion and Culture (3 credits) ♦
ARI 101 Elementary Arabic I - AH (3 credits) *
ARI 102 Elementary Arabic II (3 credits) *
ARTH 304 Survey of Asian Art (3 credits) ♦
COU 575 Mindfulness and Contemplative Practices (3 credits) ♦
ENG 215 Greek and Roman Mythology (3 credits) ♦
ENG 315 The Bible as Literature (3 credits) ♦
ENG 324 Holocaust Literature (3 credits) ♦
GEO 330 Geography of Religion (3 credits) ♦
HIS 300 The Ancient Near East and Greece (3 credits) ♦
HIS 301 The Hellenistic World and Ancient Rome (3 credits) ♦
HIS 305 Reformation Europe (3 credits) ♦
HIS 330 Jewish History (3 credits) ♦
HIS 362 Women and Christianity (3 credits) ♦
HIS 384 History of American Religion (3 credits) ♦
HIS 414 The Holocaust (3 credits) ♦
HIS 494 Topics: History (3 credits) ♦
JPN 325 Japanese Myth and Folklore (3 credits) ♦
LAT 101 Elementary Latin I - AH (3 credits) *
LAT 102 Elementary Latin II (3 credits) ♦ *
SOC 430 Sociology of Religion (3 credits) ♦

Select 9 additional credit hours from

Among all religious studies courses except those previously chosen to count for a category requirement.

Note:

At least 20 percent of the total required hours for the minor must be taken at NKU.

Topics courses (with numbers ending with -94) in disciplines such as REL, PHI, ANT, HIS, ENG, PSY, SOC, and WGS with topics bearing upon religious studies may also count toward the minor. Check with your advisor.

*Only 3 hours of an approved cognate language can count toward the minor.

Courses listed in more than one category may count in only one or the other. Students who want to have either a broader or deeper background in religious studies than the minor at NKU affords may take advantage of the Greater Cincinnati Collegiate Connection or the Cooperative Center for Study Aboard.

Sales Minor

The Minor in Sales is created to draw high-performance students toward a career in sales. The final goal is to train those students for early success in professional selling careers and connect them with sales professionals in the three-state region.

OBJECTIVES

Identify why organizational buyers are at the center of sales efforts.
Identify, contact, analyze, and classified qualified buyers.
Describe the five stages of the selling process and explain how each one is used to develop and refine effective sales efforts programs to reach qualified buyers.
Recognize and discuss the various ethical issues that sales representatives and sales teams face when selling their goods and services.
Develop active listening skills.
Develop strong presentation skills and confidence.
Develop negotiation skills.
Develop oral and written skills.
Use technology to analyze and evaluate market opportunities and current performance quantitatively and qualitatively.
Identify challenges in organizational recruiting, hiring, and retaining sales professionals.

SALES MINOR (18 HOURS)

Required Courses (12 hours)

MKT 205 Principles of Marketing (3 credits) ♦
MKT 300 Marketing Tools (3 credits) ♦
MKT 310 Selling Skills (3 credits) ♦
MKT 365 Professional Selling (3 credits) ♦

Elective Courses (6 hours)

Select any two of the following

CMST 220 Interpersonal Communication (3 credits) ♦
CMST 340 Strategies of Persuasion (3 credits) ♦
MGT 307 Supply Chain Management
MGT 330 Negotiation and Conflict Resolution (3 credits) ♦
MKT 396 Internship: Marketing (0-3 credits) ♦
SPB 350 Revenue Generation in Sports and Events (3 credits) ♦
others as approved by department

Social Justice Studies Minor

Location: Mathematics-Education-Psychology Center 203
Telephone: 859-572-5604
Fax: 859-572-6592
Email Address: riffeh@nku.edu
Program Director: Holly Riffe, School of Social Work
Advisor: Deb Henry

The interdisciplinary social justice minor is concerned with the promotion of a just society with an emphasis on human rights. The goal of social justice is to establish a society in which all people are guaranteed certain and basic human and legal rights and have access to opportunities and resources to achieve valued economic, political, and social goals.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

SWK 106 Introduction to Social Justice - AH (3 credits)

ANT 201 World Cultures - SB (3 credits)
OR
SOC 101 Global Inequalities - SB (3 credits)
OR
WGS 383 Women and World Cultures (3 credits) ♦

ANT 330 Sex, Gender, and Culture (3 credits) ♦
OR
EMB 105 Media in a Diverse Society - SB (3 credits)
OR
TAR 102 Race, Gender and Theatre - SB (3 credits)

BLS 100 Introduction to Black Studies - SB (3 credits)
OR
EDU 316 Education in a Multicultural Society - SB (3 credits)
OR
WGS 388 African-American Women's History/Culture (3 credits) ♦

SWK 565 Compassion, Empathy & Forgiveness (3 credits)

Select two courses from the following:

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
ANT 201 World Cultures - SB (3 credits)
ANT 330 Sex, Gender, and Culture (3 credits) ♦
BLS 100 Introduction to Black Studies - SB (3 credits)
BLS 494 Topics: Black Studies (1-3 credits) ♦
EDU 316 Education in a Multicultural Society - SB (3 credits)
EMB 105 Media in a Diverse Society - SB (3 credits)

ENG 338 Writing for Social Change (3 credits) ♦
GEO 100 Geography and the Human Landscape - AH (3 credits)
JUS 231 Race, Gender and Crime - AH (3 credits)
LDR 160 Leadership Around the World - AH (3 credits)
LDR 180 Leading Social and Cultural Change - SB (3 credits) ♦
PSC 308 Civil Liberties (3 credits) ♦
REL 200 World Religions and Cultures - AH (3 credits)
SOC 101 Global Inequalities - SB (3 credits)
SOC 480 Global Aging Issues and Policies (3 credits) ♦
TAR 102 Race, Gender and Theatre - SB (3 credits)
WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)
WGS 310 Gender in the Workplace (3 credits) ♦
WGS 383 Women and World Cultures (3 credits) ♦
WGS 385 Gendered Television and Film (3 credits) ♦
WGS 388 African-American Women's History/Culture (3 credits) ♦
WGS 394 Topics in WGS (3 credits) ♦
WGS 594 Topics in WGS (3 credits) ♦

Sociology Minor

A grade of at least a *C* (not *C-*) must be earned in the core courses, and a GPA of at least 2.00 must be earned in all courses that comprise the minor.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Courses (12 credits)

SOC 100 Introduction to Sociology - SB (3 credits)
OR
SOC 101 Global Inequalities - SB (3 credits)

SOC 319 Managing and Analyzing Databases (3 credits) ♦
SOC 320 Social Research (3 credits) ♦
SOC 330 Classical Sociological Theory (3 credits) ♦

Select 6 credit hours of SOC courses (6 credits)

Select any two sociology courses not fulfilling requirements above, at least one of which must be at the 300 or 400 level.

Spanish Minor

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (21 CREDITS)

Core Requirements

SPI 201 Intermediate Spanish I (3 credits) ♦
SPI 202 Intermediate Spanish II (3 credits) ♦
SPI 304 Spanish Composition and Conversation (3 credits) ♦

Culture Study (3 credits)

Select one course from the following

SPI 294 Topics in Spanish for the Professions (3 credits) ♦
SPI 307 Introduction to Spanish Translation (3 credits) ♦
SPI 310 Spanish Culture and Civilization (3 credits) ♦
SPI 311 Spanish-American Culture and Civilization (3 credits) ♦
SPI 330 Studies in Spanish Language Cinema (3 credits) ♦
SPI 340 Business Spanish (3 credits) ♦
SPI 401 Spanish Phonetics and Pronunciation (3 credits) ♦
SPI 402 Advanced Spanish Grammar and Syntax (3 credits) ♦
SPI 480 Studies in Spanish and Spanish-American Culture (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦ (culture topic)

Literary Study (3 credits)

Select one course from the following

SPI 320 Survey of Peninsular Spanish Literature (3 credits) ♦
SPI 321 Survey of Spanish-American Literature (3 credits) ♦
SPI 322 Hispanic Drama (3 credits) ♦
SPI 323 Hispanic Prose Fiction (3 credits) ♦
SPI 481 Studies in Spanish and Spanish-American Literature (3 credits) ♦
SPI 520 Readings in Spanish (3 credits) ♦ (literary topic)

Electives (6 credits)

Select two SPI courses above the 202 level. May also substitute WLL 396.

Sports Business and Event Management Minor

The business of sports encompasses teams at the major, minor, collegiate, recreational, high school and youth levels, as well as sports events, facilities, sponsorships, tourism, and specific legal issues. The minor in sports business equips students with the framework for strategic decision making in sports marketing, promotions, media/public relations, and a selection of other relevant industry issues tailored by the student's elective selections.

♦ Indicates prerequisite.

These prerequisites are not included in the program totals in the table below, but they must be completed IN ADDITION TO other program requirements.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements

MKT 205 Principles of Marketing (3 credits) ♦
SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
SPB 305 Sports Marketing and Events Research (3 credits) ♦

SPB 307 Moneyball: Economics of Sports & Events (3 credits) ♦

SPB 350 Revenue Generation in Sports and Events (3 credits) ♦

MKT 310 Selling Skills (3 credits) ♦
OR
One 300- or 400-level SPB course (3 credits)

Sports Medicine and Exercise Science Minor

The minor in sports medicine is an excellent opportunity to attain a clinical understanding of evaluation, treatment, and rehabilitation of orthopedic and sport-related injuries or illnesses for students who don't wish to pursue an athletic training degree. This would be a good choice for students majoring in pre-physical therapy, exercise science, physical education, or pre-medicine.

Students select 22-23 credit hours from the coursework below. Students must complete " KIN 280 Basic Recognition and Care of Athletic Injuries (3 credits)" before taking other ATP coursework. ATEP admission is not required. Students who obtain this minor are not eligible for board certification as an athletic trainer.

For more information, students should contact the ATEP director, Rachele Vogelpohl, at vogelpohlra@nku.edu.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (22-23 CREDITS)

Core Requirements

KIN 280 Basic Recognition and Care of Athletic Injuries (3 credits)
BIO 208 Human Anatomy and Physiology I - NS (4 credits) ♦
BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)

Select 15-16 credit hours from the following

Some of the courses listed here have prerequisites. Check with an advisor for more information.

KIN 260 Introduction to Strength and Conditioning (3 credits)
KIN 295 Anatomical Kinesiology (3 credits) ♦
KIN 340 Exercise Physiology (3 credits) ♦
KIN 340L Exercise Physiology Lab (1 credit) ♦
KIN 349 Exercise Prescription (3 credits) ♦
KIN 370 Biomechanics (3 credits) ♦
KIN 380 Clinical Exercise Physiology (3 credits) ♦
KIN 481 Nutrition for Sport and Exercise (3 credits) ♦
KIN 483 Advanced Strength and Conditioning (3 credits) ♦

Studio Arts Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (21 CREDITS)

ART 130 Creating Visual Form (3 Credits) ♦
ART 135 Creating Visual Order (3 Credits) ♦

ARTH 100 History of Art: Renaissance Modernism (3 credits)
OR
ARTH 101 History of Art: Prehistoric through Goth (3 credits)

Select 12 credit hours from ART, ARTA, ARTC, ARTD, ARTM, ARTO, ARTP, ARTR, and ARTS. Courses may be concentrated in one discipline or generalized by taking a course from each. (12 credits)
At least two courses should be 300 level or above.

Sub-Saharan African Studies Minor

Program Coordinator:Kimberly Weir, Department of Political Science, Criminal Justice and Organizational Leadership

This minor enables students to develop an integrated understanding of culture, ideology, identity, geography, history, religion, social relations, and economics of sub-Saharan Africa. The minor requires 18 credit hours.

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (18 CREDITS)

A minimum grade of C- is required in each course counted as part of the minor.

Select six courses from the following:

ANT 309 Peoples of Africa (3 credits) ♦
HIS 335 History of Ancient Africa (3 credits) ♦
HIS 336 History of Modern Africa (3 credits) ♦
PHI 324 African Philosophy (3 credits) ♦
PSC 102 Comparative Politics - AH (3 credits)
PSC 340 Politics of Development (3 credits) ♦
PSC 366 Politics of Africa (3 credits) ♦

Theatre Minor

♦ Indicates prerequisite.

REQUIREMENTS FOR MINOR (24 CREDITS)

TAR 111 Creative Expression - OC (3 credits)
OR
TAR 110 Acting I (3 credits)

TAR 160 Introduction to Stagecraft (2 credits)
TAR 160L Stagecraft Laboratory (1 credit)

Pick three of the following four courses: (3 credits)

TAR 390 Production Credits (1 credit) ♦
TAR 391 Production Credits (1 credit) ♦
TAR 490 Production Credits (1 credit) ♦
TAR 491 Production Credits (1 credit) ♦

Select one course in theatre history, theory/criticism, or lit. from groups II or III (3 credits)
Select one course in theatre performance or design/technology from groups I or IV (3 credits)
Select three courses in groups I, II, III, IV, V, VI, or VII (9 credits)

Women's and Gender Studies Minor

Location: Landrum Academic Center 415
Telephone: 859-572-5461
Email Address: hisgeo1@nku.edu
Web Address:
http://artscience.nku.edu/departments/hisgeo/wgstudies.html
Program Director: Rebekah Richardson

Available in both traditional and online formats.

Women's and gender studies explores the intersections of gender, race, and other categories of difference via a feminist lens. WGS focuses on the construction and representation of identities, behaviors, and social relations within culturally specific institutions and within a global context. WGS courses stress the understanding of self and others and the importance of social justice, activism, and community engagement. This minor requires a total of 18 credit hours, at least 12 of which must be 300-level or above. Students must achieve a *C* or better in all courses. This minor may be completed online as well as in the traditional classroom setting. Required courses include WGS 150, WGS 310, and the capstone experience, WGS 594. Students may complete the remaining credit hours with WGS 300-level or above courses or director-approved courses from other disciplines.

REQUIREMENTS FOR MINOR (18 CREDITS)

Core Requirements (3 credits)

WGS 150H may substitute for WGS 150.

WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)

Electives (15 credits)

Choose any five of the following courses (note: WGS 384 and WGS 494 may not both be used as electives). Alternatively, director-approved courses from other disciplines may be substituted.

WGS 310 Gender in the Workplace (3 credits) ♦
WGS 317 Gender and Communication (3 credits) ♦
WGS 350 Perspectives in Feminist Theory (3 credits) ♦
WGS 360 Gendered Spirituality (3 Credits) ♦
WGS 361 Gendering God (3 Credits) ♦
WGS 370 Hating Girls 3 credit hours
WGS 381 Gender in Literature (3 credits) ♦
WGS 382 Women and Society (3 credits) ♦
WGS 383 Women and World Cultures (3 credits) ♦
WGS 384 The Gendered Self and the Environment (3 credits) ♦
WGS 385 Gendered Television and Film (3 credits) ♦
WGS 386 Women in the Bible (3 credits) ♦
WGS 388 African-American Women's History/Culture (3 credits) ♦
WGS 394 Topics in WGS (3 credits) ♦
WGS 405 Understanding Our LGBTQ+ Past 3 credit hours
WGS 407 LGBTQ+ Cultural Competency Training 3 credit hours
WGS 408 The LGBTQ+ Top Ten 3 credit hours
WGS 409 Queer Spirituality 3 credit hours
WGS 444 History of Women in the U.S. to 1900 (3 credits) ♦
WGS 445 History of Women in the US after 1900 (3 credits) ♦
WGS 494 Gendered Experiential Learning (3 credits) ♦
WGS 499 Independent Study in WGS (1-3 credits) ♦
WGS 594 Topics in WGS (3 credits) ♦

Course Descriptions

Course Description Notes

Northern Kentucky University has established abbreviations for its various disciplines. These abbreviations, which are printed next to the name of each discipline in the following course descriptions, should be used in preparing course schedules and at other times when referring to specific courses.

Following course titles in parenthesis is the number of semester hours of credit in the course. Listed below the course title are the number of classroom and lab/studio hours in the course, course prerequisites and co-requisites, and the semesters in which the course is taught.

Many courses satisfy NKU general education requirements under guidelines of the Kentucky Transfer Policy. If a particular course is approved for general education credit, a two-letter general education category designation follows the course title. The category for which the course is approved is listed in full beneath the course description. The general education category designations are:

OC – Oral Communication
WC – Written Communication
AH – Arts and Humanities
QR – Quantitative Reasoning
NS – Natural Sciences
SB – Social and Behavioral Sciences

Please refer to the General Education section of this catalog for complete information.

The university reserves the right to withdraw or modify courses of instruction at any time.

3D DIGITAL DESIGN AND VISUAL EFFECTS

DFX 221 Visual Fundamentals for Digital Media (3 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): EMB 140 with a C or better.
Taught: Fall and spring
Explores theories & principles associated with the discovery, creation, and delivery process for 3D digital design and VFX through digital software. Students will gain knowledge through the implementation of design basics to enhance the user's visual experience for visual effects, game art, animation, and 3D modeling.
Repeatable: No
♦

DFX 240 Introduction to Interactive Media (3 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite OR Co-requisite: DFX 221 and INF 286 with a C or better.
Taught: Fall and spring
Expands on skills and techniques specific to developing user interfaces through user experience design. Students will develop a better understanding of the impact of graphical user interfaces in digital media.
Repeatable: No
♦

DFX 244 Principles of Digital 3D Animation (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of EMB 140 with a C or better.
Taught: Fall and spring
An introduction to 3D animation workflow, principles, and storytelling methods.
Repeatable: No
♦

DFX 245 3D Modeling Fundamentals (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C or better in DFX 221 or ART 140 .
Taught: Fall and spring
An introduction to 3D workflow, project management, and modeling.
Repeatable: No
♦

DFX 250 Analog Game Design (3 credits)
Hours: 1 classroom + 2 lab/studio
Taught: Spring only
An exploration of game theory and the processes of including fun and challenge into game design.
Repeatable: No
♦

DFX 252 Non-Linear Interactive Storytelling (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall
Storytelling, interactivity, and non-linearity theory in digital media. A deepening of understanding of communication design by analyzing traditional, current(emerging), and experimental(future) media and by experiencing informatics behind media.
Repeatable: No
♦

DFX 294 Special Introductory Topics in Media Inf (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Taught: Variable, check with department
Focused study of significant topic from a media informatics perspective at an introductory level. Topics vary semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DFX 307 3D Lighting and Texturing (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): DFX 245 with a C or better.
Taught: Spring only
Theories and principles of lighting in conjunction with UV Layouts, materials, & textures.
Repeatable: No
♦

DFX 309 3D Hard Surface Modeling (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): DFX 245 with a C or better.
Taught: Fall only
Intermediate techniques for modeling hard surface assets.
Repeatable: No
♦

DFX 317 Virtual Sculpting for Digital Media (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C or better in DFX 245 and Junior Standing
Taught: Fall
An introduction to 3D sculpting workflow and theories with material implementation.
Repeatable: No
♦

DFX 320 Character Modeling (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of DFX 309 with a C or better.
Taught: Spring only
Character development and modeling for production.
Repeatable: No
♦

DFX 330 Rigging and Animation (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of DFX 309 with a C or better.
Taught: Fall only
3D Mechanics and technical setup for character driven performance.
Repeatable: No
♦

DFX 340 Intermediate Interactive Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DFX 240*, & DFX 245 with a C or better in each course.*
Taught: Spring only
This course continues the emphasis of user interactions through experience design and interactive media. Students will develop and create content through real-time technologies. Students will experience production through interactivity and virtual worlds.
Repeatable: No
♦

DFX 352 Project Research Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of DFX 309 or DFX 340 with a C or better.
Taught: Fall
Preparation of knowledge, skills, and techniques to produce portfolio quality work for professional presentation.
Repeatable: No
♦

DFX 375 Computer Games and Digital Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 45 earned credit hours or instructor permision
Taught: Fall and spring
A critical examination of computer games, digital communication and virtual worlds through the lens of current events, trends and research.
Repeatable: No
♦

DFX 381 Computer-Mediated Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
This seminar examines communication occurring between two or more individual people who interact and/or influence each other via the internet or network connection using social software. Topics include identity, social information processing, online romance, social network sites, Internet communities, web blogs, wikis, and workplace considerations.
Repeatable: No

DFX 394 Topics: 3D Digital Design & VFX (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Taught: Variable, check with department
Focused study of a significant topic from a media informatics perspective. Topics vary semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DFX 396 Internship: 3D Digital Design & VFX (1-3 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): Written consent of supervising faculty member; junior or senior standing; and a GPA of at least 2.75.
Taught: Fall, spring, and summer
Selected placement for majors in businesses and non-profit organizations. Internships may involve content design, web and mobile applications, digital advertising, animation, game design, production writing or other areas within field. Repeatable once for full credit if different responsibilities.
Repeatable: Yes
If Repeatable, Max. Credits: 6

Available High Impact Practices: internship
♦

DFX 417 Adv. Virtual Sculpting for Digital Media (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of DFX 317 with a C or better.
Taught: Fall only
Advanced 3D sculpting workflow and theories with material implementation.

Repeatable: No

♦

DFX 420 Professional Practices (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 75 earned credit hours or instructor permission
Taught: Spring only
An examination of business and ethical practices within the media informatics industry. A focus on freelance and self-employment techniques will include business development and management, project management, legal issues, ethical practice and self-marketing.
Repeatable: No

♦

DFX 426 Advanced Digital Compositing (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of EMB 326 with a C or better.
Taught: Fall only
Advanced methodologies in digital compositing, motion graphics, and post-production techniques.
Repeatable: No

♦

DFX 430 Advanced Rigging and Animation (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of DFX 330 with a C or better.
Taught: Spring only
3D Mechanics and technical setup for character driven performance with implementation into a game engine.
Repeatable: No

♦

DFX 440 Advanced Interactive Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DFX 340 with a C or better.
Taught: Variable, check with department
A project-based course for students to explore advanced application of interactivity and production through real-time virtual content creation. Students can produce immersive content experiences through the implementation of game engine, application design, or interactive media.
Repeatable: No

♦

DFX 452 Advanced Portfolio Production (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of DFX 352 with a C or better.
Taught: Spring only
Application of acquired knowledge, skills, and techniques to produce portfolio quality work for professional presentation.
Repeatable: No

♦

DFX 492 Directed Research or Creative Work (0-6 credits)
Hours: 0 classroom + 0-6 lab/studio
Prerequisite(s): Junior Standing or Instructor Permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

DFX 495 Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

DFX 496 Senior Practicum (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Students work on team projects that allow them to integrate academic experience into real world situations. Required electronic portfolio is reviewed and evaluated with revisions applied. Students undertake assignments to build organizational competencies such as communication skills, teamwork, and critical thinking.
Repeatable: No

♦

DFX 499 Independent Study (1-3 credits)
Hours: 0 classroom + 4 -12 lab/studio
Prerequisite(s): Junior or senior standing and consent of instructor.
Taught: Variable, check with department
Individually supervised work involving reading, research, writing, and/or production in specified area of interest in Media Informatics. The student will work with the instructor to select and develop the topic. May be repeated for a maximum or 6 semester hours as topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ACCOUNTING

ACC 150 Accounting for Non-Business Majors (3 Credits)
Hours: 3 classroom + 0 lab/studio
Introduction to financial information generated by typical business organizations, with special emphasis on the use and interpretation of this information in managerial and financial decisions making processes by entrepreneurs. May not be substituted for ACC 200.
Repeatable: No

ACC 200 Introductory Financial Accounting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of MAT 102 or STA 205/205R
Co-requisite(s): ACC 200L.
Measurement of business transactions through the accounting

cycle; communication of results to external parties through the preparation of the income statement, statement of shareholders' equity, balance sheet, statement of cash flows. Financial statement analysis and GAAP based measurement of cash, receivables, inventory, long-term assets, current, long-term liabilities, stockholders' equity.
Repeatable: No
♦

ACC 200L Financial Accounting Lab (1 credit)
Hours: 0 classroom + 1 lab/studio
Co-requisite(s): ACC 200.
Taught: Fall and spring
Lab to accompany ACC 200, including an Excel project.
Repeatable: No

ACC 201 Introductory Managerial Accounting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200
Taught: Fall, spring, and summer
An introduction to management accounting from the users' perspective. Provides understanding and integration of managerial accounting information concepts and tools needed for internal users to plan, control and make sound business decisions.
Repeatable: No
♦

ACC 202 Analysis of Accounting Information (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): ACC 200 with a C or better.
Taught: Fall, winter, and spring
Practice of accounting skills including the accounting cycle along with preparing and analyzing financial statements. Other topics may include professional development and activities.
Repeatable: No
♦

ACC 294 Topics: Financial & Managerial Accounting (1-5 credits)
Hours: 1-5 classroom + 0 lab/studio
Taught: Variable-chck w/dept
Specialized topics of faculty and student interest. Topics vary and prerequisites may be specified depending on topics. May be taken for up to six hours of elective credit if topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

ACC 300 Intermediate Accounting I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200, ACC 201, and ACC 202 with grades of C or better.

Taught: Fall and spring
Financial accounting theory and practice in determination of income and valuation of assets, liabilities, and equity for external reporting; preparation of financial statements; official pronouncements on generally accepted accounting principles; alternatives to these principles including international accounting standards; accounting cycle; financial assets such as cash, marketable securities, receivables, inventories, and prepayments; long-term assets.
Repeatable: No
♦

ACC 301 Intermediate Accounting II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 300 with a C or better.

Taught: Fall and spring
Financial accounting theory and practice in determination of income and valuation of assets, liabilities, and shareholders' equity for external reporting; official pronouncements on generally accepted accounting principles; alternatives to these principles including international accounting standards; investments, current and noncurrent liabilities, owners' equity, earnings per share, pensions, income taxes, accounting changes and error corrections, statement of cash flows, and leases.
Repeatable: No
♦

ACC 308 Financial Statement Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200 and ACC 201.
Taught: Fall and spring
This course is designed to prepare students to analyze, interpret and use financial statements effectively. This will be accomplished using four steps: (1) analyzing the industry and economic environment in which the firm operates; (2) analyzing recent financial and market performance of the firm using financial statement statements and stock market information; (3) synthesizing this material in a coherent manner; and (4) writing and presenting a report on the financial condition of a company and its prospects to classmates and faculty. Cannot be taken for credit by students with ACC 300 credit.
Repeatable: No
♦

ACC 310 Accounting Information Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200, ACC 201, and ACC 202 with grades of C or better

Taught: Fall and spring
Study of complex accounting systems including the steps of the accounting cycle from documents through the preparation of financial statements within the revenue, expenditure, conversion, and financial reporting cycles, the importance of internal controls and the impact of technology on the accounting system. The nature of accounting and business ethics as related to collecting, reporting, and auditing accounting data. Open only to students certified as majoring in business or by consent of instructor.

Repeatable: No

♦

ACC 320 Intro to Business & Individual Taxation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200, ACC 201 and ACC 300 with grade of C or better and BUS 230.
Taught: Fall, spring, and summer
Impact of income tax on individuals, business entities, including corporations, S corporations, partnerships, limited liability companies and sole proprietors; gross income deductions; accounting periods; accounting methods and property transactions.
Repeatable: No

♦

ACC 330 Fraud Examination (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200, ACC 201, ACC 202 with a grade of C or better.
Taught: Summer only
The principles and methodology of fraud detection and deterrence. The course includes such topics as skimming, cash larceny, check tampering, register disbursement schemes, billing schemes, payroll and expense reimbursement schemes, non-cash misappropriation, corruption, accounting principles and fraud, fraudulent financial statements, and interviewing witnesses.
Repeatable: No

♦

ACC 340 Data Analytics for Accounting (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): ACC 200 *, ACC 201 , and ACC 202 with grades of C or better*
Taught: Fall and Spring
This course covers the use of technology in examining accounting data. Students learn how accounting data is collected, extract and transform the data to uncover information, and apply their findings to support decision making.
Repeatable: No

ACC 350 Management Cost Accounting I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 200, ACC 201 and ACC 202 with grades of C or better.
Taught: Fall and spring
Cost accounting concepts, techniques, and procedures relating to financial reporting; decision-making and responsibility accounting to help management plan and control operations.
Repeatable: No

♦

ACC 392 Research Experience in Accounting (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of the instructor.
Taught: Fall, spring, and summer
Introduction to research in Accounting by participating in special project or original research directed by a member of the Accounting faculty. Course intended for Accounting Majors. May not be used as a ACC elective.
Repeatable: Yes
If Repeatable, Max. Credits: 0-3

ACC 394 Topics: Financial Accounting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing; ACC 200 and ACC 201 with grades of C or better.
Taught: Variable, check with department
Specialized topics of faculty and student interest. Topics vary and prerequisites may be specified depending upon topics. May be taken twice for elective credit if topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ACC 396 Internship: Accounting (1-3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Completion of ACC 200 and ACC 201 with grades of C or better.
Taught: Fall, spring, and summer
Supervised work experience related to accounting and coordinated by employer in conjunction with a member of accounting faculty. Graded pass/fail.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ACC 400 Auditing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 301
Taught: Fall and spring
Principles, standards, and procedures in conduct of an audit by CPA; functions and responsibilities; internal control; statistical sampling, audit report; special problems of auditing electronic data-processing systems; account verification; ethics. Open only to students certified as majoring in business or by consent of instructor. Assessment test is given.
Repeatable: No

♦

ACC 420 Advanced Tax Planning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing; certified major in business; ACC 320 with grade of C or better.
Taught: Variable, check with department
Federal tax consequences of corporate redemptions, liquidations, reorganizations, consolidated tax returns; partnership distributions and terminations; multi jurisdictional considerations, international and multistate taxation; individual tax planning, deferred compensation, retirement planning, estate and gift taxation, succession planning.
Repeatable: No

♦

ACC 430 Advanced Accounting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: ACC 301
Taught: Variable, check with department
State and local governments, emphasizing fund accounting concepts, government-wide financial reporting, and the relation between the two reporting practices; not-for-profit entities; foreign operations, with a focus on foreign currency transactions and translation of financial statements for foreign affiliates; segments; interim reporting; partnerships.
Repeatable: No
♦

ACC 499 Independent Study: Accounting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing and consent of instructor.
Taught: Variable, check with department
Independent project or intensive study/research with faculty guidance. Open only to students certified as majoring in business or by consent of instructor.
Repeatable: No
♦

ACC 500 Auditing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the MAcc program, ACC 301 or ACC 604.

Taught: Fall and spring
Principles, standards, and procedures in conduct of an audit by CPA; functions and responsibilities; internal control; statistical sampling, audit report; special problems of auditing electronic data processing systems; account verification; ethics. Open only to students certified as majoring in business or by consent of instructor. Assessment test is given.
Repeatable: No
♦

ACC 520 Intro to Business & Individual Taxation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the MAcc program, ACC 200 , ACC 201 and *ACC 202* with a grade of C or better, and *BUS 230* ; OR *ACC 604*
Taught: Fall, spring, and summer
Impact of income tax on individuals, business entities, including corporations, S corporations, partnerships, limited liability companies and sole proprietors; gross income deductions; accounting periods; accounting methods and property transactions.
Repeatable: No
♦

ACC 550 Management Cost Accounting II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 350 with a grade of C or better; or ACC 600
Taught: Variable, check with department
Continuation of ACC 350. Application of quantitative techniques (e.g., statistical and O.R. models to managerial problems; behavioral implications of budgetary control systems. Open only to students certified as majoring in business or by consent of instructor.
Repeatable: No
♦

AMERICAN SIGN LANGUAGE

ASL 110 Beginning American Sign Language I (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check w/ department
This course addresses the basics of sign language for everyday use in communities when engaging with someone who is Deaf or Hard of Hearing. Grammar is introduced in context, with an emphasis on developing question and answering skills, and vocabulary centers on interacting with others about people and our environment.
Repeatable: No

ASL 111 Beginning American Sign Language II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ASL 110.
Taught: Variable, check w/ department
A continuation of the introduction to conversational skills in American Sign Language, including study of vocabulary and structure of ASL sentences, practice in conversation both receptive and expressive. Deaf community and Deaf culture will be included.
Repeatable: No
♦

ASL 201 American Sign Language III (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): ASL 111 *with a grade of C or better, or transfer equivalence*
Taught: Fall and Spring
A third level course in American Sign Language (ASL) that continues to develop grammatical and vocabulary competency, fluency in conversational ranges, and increases knowledge of the Deaf community and its cultural aspects. Outside activity required.
Repeatable: No
♦

ASL 202 American Sign Language IV (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ASL 201 with a grade of C or better. Or transfer equivalence or instructor approval.
Taught: Spring only
An expansion of the conversational skills and knowledge of American Sign Language (ASL) that continues to develop expressive and receptive fluency, knowledge of grammatical features, and the Deaf community and its cultural aspects.
Repeatable: No

ASL 326 Deaf Culture and Community (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall

This course addresses cultural trends and issues in the field of deafness, integrating the disciplines of history, anthropology,

linguistics, creative arts, literature, and current events as they apply to deaf culture and the deaf community.

Repeatable: No

♦

ASL 327 Deaf History in America (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall only
This course examines selected points of the history of Deaf people and its community. It highlights the historical forces impacting the educational, social, political, economic aspects of the Deaf community. Deaf people's experiences as an oppressed and minoritized community are explored.
Repeatable: No

♦

ASL 400 Aspects of Deaf Life (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ASL 326
Taught: Spring only
This course examines the psychosocial aspects of deafness, including the development and functioning of deaf persons. Topics such as family support, education and employment opportunities, and overall obstacles and experiences from birth to death are explored.
Repeatable: No

♦

ANTHROPOLOGY

ANT 100 Introduction to Cultural Anthropology - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Definition and nature of culture, its content and structure (e.g., kinship, politics, and religion); basic field methods; emphasis on non- Western cultures.
Repeatable: No
General Education Credit: Global Viewpoints

ANT 110 Unearthing the Past: World Archaeology - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Change and development of prehistoric cultures from 3 million B.C. to early civilizations; selected Old World and New World cultures. Basic archaeological methods.
Repeatable: No
General Education Credit: Individual and Society

ANT 114 Great Archaeological Sites - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Great archaeological sites and discoveries around the world and their significance to global heritage.
Repeatable: No
General Education Credit: Global Viewpoints

ANT 194 Topics: Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
A newer development in any phase of anthropology. See Schedule of Classes for current topic.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ANT 201 World Cultures - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Survey of world cultures, primarily non-literate, using various anthropological approaches; development from simple to more complex cultural systems.
Repeatable: No
General Education Credit: Cultural Pluralism

ANT 202 Biological Anthropology - NS (4 credits)
Hours: 3 classroom + 2 lab/studio
Taught: Fall and spring
Survey of the major concepts and themes in Biological Anthropology. Including, but not limited to, human genetics, primate behavior, humankind as biological organisms, relation of humans to culture, human evolution. Emphasis is placed on evidence from fossil remains and behavioral studies of living primates.
Repeatable: No

ANT 210 Introduction to Archaeological Methods and Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Methods of archaeological excavation and analysis; how archaeologists interpret excavated material and reconstruct prehistoric ways of life.
Repeatable: No

ANT 230 North American Indians - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Origin; traditional ways of life; current position in American society.
Repeatable: No
General Education Credit: Cultural Pluralism

ANT 231 Modern American Indians - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Current problems faced by Indian populations in North America; history of Indian-white and Indian-black relations; relations to federal government.
Repeatable: No
General Education Credit: Cultural Pluralism

ANT 245 Peoples of Latin America and the Caribbean - SB (3 credits)

Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Contemporary cultures of Latin America and the Caribbean; problems of contact, colonization, acculturation, development of the area cultural tradition, and contemporary urbanization.
Repeatable: No
General Education Credit: Cultural Pluralism

ANT 270 Native Australia and Oceania - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Origin; traditional ways of life of native peoples of Australia, Polynesia, Micronesia, and Melanesia; modern conditions.
Repeatable: No
General Education Credit: Cultural Pluralism

ANT 275 Language and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Methods and case studies in anthropological linguistics; relationship between language and culture; language structure.
Repeatable: No
Available High Impact Practices: service learning

ANT 280 Careers in Anthropology (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Spring only
Professional development assessment; investigation of careers in anthropology; planning and decision-making skills regarding future careers.
Repeatable: No

ANT 292 Research Experience in Anthropology (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Introduction to research in the anthropology by participating in a special project or original research directed by a member of the anthropology faculty. Course intended for anthropology majors not ready or able to enroll in more advanced research courses.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ANT 296 Teaching Experience in Anthropology (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Teaching experience as an assistant in an anthropology course with a focus on assisting students learning course materials.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ANT 299 Independent Study in Anthropology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of the instructor.
Taught: Variable, check with department
Specialized aspect or topic in anthropology chosen by student and appropriate faculty member for study.
Repeatable: Yes
If Repeatable, Max. Credits: 12

ANT 307 Museum Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Actual work experience in museums, stressing an anthropological and research orientation; history of museums and their role in the development of anthropology.
Repeatable: No
Available High Impact Practices: research/creativity
♦

ANT 308 Cultural Resource Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Practical, ethical, and legal issues surrounding the preservation of prehistoric and historic cultural resources on the local, state and national level. How to locate projects, make proposals and conduct CRM surveys; writing, submitting and reviewing reports; maintaining good community relations.
Repeatable: No
♦

ANT 309 Peoples of Africa (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Survey and cross-cultural comparisons of the peoples of Sub-Saharan Africa. Emphasis on the impacts of colonialism, ecological adaptation, social and family life, as well as contemporary issues in Africa society.
Repeatable: No
♦

ANT 311 Museums in Contemporary Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
A broad prospective on museum issues and practices. Readings, discussion, and written assignments will explore the historical, theoretical, and political dimensions of museums in contemporary societies. Students will evaluate virtual exhibits, study major museum and exhibit controversies, and examine debates on the politics of memory, context, and visual display.
Repeatable: No
♦

ANT 312 Social Organization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Study of "primitive," peasant, and urban social organization; associations based on kinship, ethnic affiliation, age, and gender.

Repeatable: No

♦

ANT 315 Archaeological Excavation Methods (3-4 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Summer only
Archaeological excavation methods; excavation at an archaeological site; excavation, recording, mapping, analysis. Summer. Three semester hours if taught during intersession; 4, if taught during 5 week session.
Repeatable: No

♦

ANT 318 Prehistoric Ecology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
This course examines human adaptations to local environments from prehistory to early civilizations from an anthropological and archaeological perspective; examines environmental issues using case studies including hunter-gather societies and early farmers, to early civilizations and urbanization.
Repeatable: No

♦

ANT 320 Religion and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Anthropological approaches to the study of religion, religious beliefs, and practices of selected non-western and western cultures.
Repeatable: No

♦

ANT 321 Medical Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Examines the meanings of illness, healing, and the body in cross-cultural and global terms. Topics include the social organization of medical care, varieties of explanations for disease, and political dimensions of health inequalities. Emphasis is laid on the application of anthropological findings to medical care.
Repeatable: No

♦

ANT 322 Health and Disease in Past Societies (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable-chck w/dept
A survey of health and disease from the Paleolithic to the more recent past, which examines health and disease in past societies from an anthropological and archaeological perspective including the content and meaning of local societal perspectives on these issues.
Repeatable: No

♦

ANT 325 Applied Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Practical uses to which anthropological methods and theory can be put towards solving contemporary social and cultural problems through research, policy development, and administration. Students will examine cross-cultural case studies from specialties within applied anthropology and complete a career-oriented research project.
Repeatable: No

♦

ANT 328 Contemporary Issues in Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Contemporary issues in anthropology through cross-cultural and four-field approaches.
Repeatable: No

♦

ANT 330 Sex, Gender, and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Examines biological sex, gender, and sexuality from a comparative, cross-cultural perspective. Considers anthropological explanations for women's low status, including the role of gender in subsistence, economic, political, family, religious, and other institutions.
Repeatable: No

♦

ANT 331 Women in Prehistory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
This course provides a broad prospective on issues, methodologies, and the current debates focusing on the study of women in prehistory. Roles of women in several early cultures and societies to early civilizations will be addressed; examples include people in the Paleolithic to women in Mesopotamia, Mesoamerica, Egypt, and China, among others.
Repeatable: No

♦

ANT 333 Paleoanthropology Laboratory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ANT 202 or BIO 151 or consent of the instructor.
Taught: Variable, check with department.
Survey of the major stages of human evolution. Using fossil casts and other sources we explore the current information available and examine the morphological data. We will discuss recent primary literature pertaining to human evolution and learn how to critically evaluate the data to form evidence-based conclusions.
Repeatable: No

♦

ANT 334 Behavioral Field Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or higher.
Taught: Variable, check with department.
This is an experiential course in which students learn how to collect quantitative behavioral data using direct observation in the field. Students will use the scientific method and generate their own research proposal.
Repeatable: No
♦

ANT 336 Historical Archaeology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Provides an overview of Historical Archaeology as a developing and changing discipline, as practiced in the United States. Includes research on diverse minority groups, cemeteries, landscape, industrial, and urban archaeology, and studies the influences of European settlement on the Americas.
Repeatable: No
♦

ANT 340 Ethnographic Methods and Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Introduction to principles of ethnographic research; readings; design and conduct of an individual ethnographic field research project to be conducted and completed during the semester.
Repeatable: No
♦

ANT 340S Ethnographic Methods and Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Introduction to principles of ethnographic research; readings; design and conduct of an individual ethnographic field research project to be conducted and completed during the semester. This course is designated scholarship intensive and includes coursework to fulfill that designation.
Repeatable: No
*

ANT 342 Quantitative Methods in Anthropology (3 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Theoretical foundations and methods used to conduct quantitative analysis in anthropology. This course includes a laboratory component where students practice methods learned in lecture. Topics include: research design, ethics, human subjects protection, research design sampling, GIS/Mapping, interviewing, questionnaires, and computer aided data analysis.
Repeatable: No
♦

ANT 345 Environmental Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Sociocultural patterns of human environmental interaction, applied research on and policy solutions to environmental problems in the western and non-western worlds.
Repeatable: No
♦

ANT 347 Primate Behavioral Ecology (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of the instructor.
Taught: Variable-chck w/dept
Examines topics and issues in primate behavioral ecology from a comparative and evolutionary perspective. This includes primate taxonomy, behavior of living primates, habitat use and ecology, and theoretical and empirical models of how these factors interact in living primate systems. Students will conduct original zoo research on primates.
Repeatable: No

ANT 348 Primate Sexuality (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ANT 202 or BIO 151 or consent of instructor.
Taught: Variable, check with department.
Primate reproduction, mating systems, and sexuality from a comparative and evolutionary perspective. We will review hormonal, genetic, morphological, and behavioral adaptations and correlates of sex and reproduction in the primate lineage. Human sexuality will be discussed within the broad evolutionary context of the primate order.
Repeatable: No
♦

ANT 350 North American Archaeology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Prehistoric cultures and cultural developments in the United States and Canada from the first settlement to late prehistoric times; regional cultural developments.
Repeatable: No
♦

ANT 352 Archaeology of Mesoamerica (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Major pre-Colombian cultures of Mexico and Central America from earliest times until the Spanish conquest (Aztecs, Mayas, etc.); rise of towns, ceremonial centers, cities, states, and empires; development and elaboration of area and regional cultural traditions; selected problems in Mesoamerican prehistory.
Repeatable: No
♦

ANT 355 Archaeology Laboratory Analysis (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department

Follow-up study of excavated materials; artifact description, measurement, and analysis by students.
Repeatable: No
♦

ANT 358 Art and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Functions of the arts in culture and relationship of art to other aspects of culture; arts of Pacific, African, native North American, and other cultures.
Repeatable: No
♦

ANT 360 Mesoamerican Indians (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Aboriginal cultures of Middle America; economic, social, political, and religious aspects of traditional and contemporary Aztec, Maya, and other Mesoamerican Indian cultures.
Repeatable: No
♦

ANT 365 Ethnographic Field Methods (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Summer only
Cross-cultural field training in ethnographic field methods, qualitative data analysis, and ethnographic report-writing.
Repeatable: No
Available High Impact Practices: research/creativity
♦

ANT 370 Celtic Europe (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Ethnographic examination of Celtic Europe. Brief look at Pre-Celtic Europe followed by appearance of Celts, earliest written descriptions of Keltoi, invasion of the insular Celts, linguistic differences between Celts. Description of Celtic culture from written and folkloristic sources, and modern ethnographies leads into Celtic influence in modern global economy.
Repeatable: No
♦

ANT 371 Psychological Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Insight is gained into nonwestern mental processes, how syncretistic religions can act as transcultural psychiatric therapy, and why western psychiatric diagnoses may not apply to people in other cultures. The student is to develop an understanding of the historical development of a theoretical orientation.
Repeatable: No
♦

ANT 372 Peasant Societies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Peasants in the anthropological sense are poor subsistence cultivators. They are a major component of the global population and major contributors to global economics. The student will gain some insight into non-western, non-mechanized farming, and why modern industrial economics may not apply to peasant cultivators.
Repeatable: No
♦

ANT 375 Anthropology of Aging (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
This is a course in aging. Aging begins at the moment of birth. It is addressed cross culturally and is examined theoretically, historically, ritually, and autobiographically. The student will learn the life history method first hand.
Repeatable: No
♦

ANT 376 Irish Society Through Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department.
Insight into Irish society through the use of cinematic self images on film and television. Topics include Irish independence, mid-century rural images that parallel those of classic ethnographies, and how different modern Irish life is from American impressions of it. Does not count towards the anthropology major or minor.
Repeatable: No
♦

ANT 380 Origins of Civilization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
The six major early civilizations: Mesopotamia, Egypt, Indus Valley, China, Mesoamerica, and Peru; archaeological background of the development of early civilization; various theories on the development of civilization.
Repeatable: No
♦

ANT 381 European Archaeology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
This course examines human settlement and adaptations in Europe from prehistory beginning in the Paleolithic to the Roman Conquest from an archaeological perspective; introducing students to the archaeological evidence for increasing social complexity and the development of complex societies within the region. We will explore the content and meaning of the development of complex societies in the region, and gain some new understanding of our own society and today's world as a result.

Repeatable: No

♦

ANT 382 Visual Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Provides an introduction to anthropological theories of visual communication and contemporary methods of evaluating, producing and displaying visual representations of culture.
Repeatable: No

♦

ANT 385 Peoples of East and Southeast Asia (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
This course provides an anthropological overview of East and Southeast Asia from prehistory to the present; examines issues in this region including ethnicity and traditional ways of life, acculturation, conflict, impact of globalization and industrialization, and Asian Diasporas.
Repeatable: No

♦

ANT 386 Economy, Wealth and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Explores cultural methods for producing, distributing, consuming, and exchanging goods and services. Emphasis is laid on moral and political debates over the accumulation and distribution of wealth.
Repeatable: No

♦

ANT 394 Topics: Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
A newer development in any phase of anthropology. See Schedule of Classes for current topic and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ANT 395 Study Abroad: Anthropology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
An opportunity for students to engage in one or more officially-sponsored and/or departmentally-approved anthropology courses abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

ANT 396 Museum Internship (3-6 credits)
Hours: 0 classroom + 3-6 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Supervised work experience in a museum setting.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ANT 401 Anthropological Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or consent of instructor.
Taught: Variable, check with department
Development of the discipline; major theoretical and anthropological contributions.
Repeatable: No

♦

ANT 480 Anthropology Capstone (1 credits)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Fall
Assessment testing, resume and reflective essays. To be taken in the anthropology major's senior year.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

ANT 492 Directed Research: Anthropology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Independent work on research project agreed upon by student and instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

ANT 496 Teaching Experience in Anthropology (1-2 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Teaching experience as an assistant in an anthropology course with a focus on assisting students learning course materials.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

ANT 497 Research Assistantship: Anthropology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Research experience as an assistant to an anthropology faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

ANT 498 External Internship: Anthropology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Students arrange an unpaid internship related to anthropology.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

ANT 499 Independent Study in Anthropology (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Junior or senior standing or consent of the instructor.
Taught: Variable, check with department
Specialized aspect or topic in anthropology chosen by student and appropriate faculty member for study.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ANT 515 Advanced Archaeological Excavation Methods (3 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): ANT 315.
Taught: Summer only
Further experience in excavation, recording, mapping; excavation at an archaeological site. Summer. Three semester hours if taught during intersession; 4 if taught during 5-week session.
Repeatable: No

♦

ANT 565 Advanced Ethnographic Field Methods (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): ANT 365 or consent of the instructor.
Taught: Summer only
Cross-cultural field training in advanced ethnographic field methods, qualitative data analysis, and ethnographic report writing.
Repeatable: No
Available High Impact Practices: research/creativity

♦

ANT 594 Topics: Anthropology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
A special topic in any area of anthropology. For graduate students and advanced undergraduates. Repeatable up to 12 semester hours when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ANT 599 Independent Study (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Consent of the instructor.
Taught: Variable, check with department
Specialized topic in anthropology chosen by student and appropriate faculty member for study.
Repeatable: Yes
If Repeatable, Max. Credits: 12

APPLIED SOFTWARE ENGINEERING

ASE 220 Full-Stack Application Development (3 credit hours)
Hours: 3 credit hours + o lab/studio hours
Prerequisite(s): C- or better in INF 286 and INF 120
Taught: Spring only
Explores the design and development of scalable services and cross-platform web, desktop, and mobile applications. Students learn to use full-stack programming languages and progressive approaches to implement distributed software based on modular architectures involving decoupled microservices, Application Programming Interfaces, and state-of-the-art frameworks for Rapid App Development.
Repeatable: No

ASE 230 Server-Side Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in INF 286
Prerequisite OR Co-requisite: C- or better in CSC 260 or CIT 383
Taught: Fall
Focus on the server-side component of websites and web applications. Design and develop software that rely on client-server synchronous and asynchronous interaction and on different types of databases to enable user authentication, dynamic content creation, and access control.
Repeatable: No

♦

ASE 285 Software Engineering & Sec. Fundamentals (3 credit hours)
Hours: 3 credit hours + o lab/studio hours
Prerequisite(s): C- or better in ASE 220
Taught: Spring only

Core ideas and tools of software engineering including software development methodologies, software processes, software security, software project management, source control, testing, debugging, and IDEs; group projects for clients who interact with students during the semester to provide feedback on software solutions; students present project artifacts to clients.
Repeatable: No

ASE 292 Introductory Research Experience in ASE (0-3 credit hours)
Hours: 0 credit hour / 0 lab+studio hours
Prerequisite(s): Consent of department
Taught: Variable, check with department
Introduction to research in Applied Software Engineering by participation in a special project or research directed by a faculty

member. Course intended for students interested in [discipline] research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 3 hours

ASE 305 Peer Teaching Assistant Training (3 credit hours)
Hours: 3 credit hours / 0 lab+studio hours
Prerequisite(s): B or better in the class the student will serve as a TA for and permission of department
Taught: Fall and spring
Pedagogical training for majors as peer teaching assistant in the discipline, and practicum to apply training as teaching assistant in assigned Computer Science department class; practicum work may include attending meetings of assigned class, monitoring discussion lists, holding office hours, and supporting assigned class instructor in teaching plus grading activities.
Repeatable: No

ASE 306 ASE Department Peer Mentorship (0-2 credit hours)
Hours: 0-2 credit hour / 0 lab+studio hours
Prerequisite(s): Permission of Department
Prerequisite OR Co-requisite: CSC/CIT/DSC/CYS/ASE 305
Taught: Fall and spring
Experience in performing teaching assistant duties for select undergraduate course. Student will hold two office hours per week (online for online classes), meet with instructor weekly, participate in discussion board threads of online courses (150 minutes per week) and hold exam review sessions.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 2 hours

ASE 330 Human-Computer Interaction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in ASE 230 or ASE 220
Taught: Fall only
Explores frontiers of interaction with machines by analyzing novel paradigms, non-conventional I/O devices, tightly-coupled interfaces; applications of cyber-physical systems (e.g., brain-computer interfaces, wearable devices, assistive technology); students experience, imagine, and realize systems for enhancing users' interaction with the world based on the current state of the art and future trends.
Repeatable: No

ASE 392 Intermediate Research Experience in ASE (0-3 credit hours)
Hours: 0 credit hour / 0 lab+studio hours
Prerequisite(s): Minimum of sophomore standing and consent of department
Taught: Variable, check with department
Undergraduate research in applied software engineering directed by a faculty member. Up to 3 hours of ASE 292, ASE 392, and ASE 496 credit can count toward the Applied Software Engineering major.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 3 hours

ASE 394 Topics: Applied Software Engineering (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see schedule of classes).
Taught: Variable, check with department
Various intermediate topics in applied software engineering.
Repeatable: Yes
♦

ASE 396 Applied Software Engineering Practicum (0-3 credit hours)
Hours: 0 credit hour / 0 lab+studio hours
Prerequisite(s): ASE 456 , Junior standing or higher, and consent of department
Taught: Variable, check with department
Students work on real-world software engineering projects whether through a work environment or with guidance of an applied software engineering faculty member. Up to 3 hours can count toward the applied software engineering major.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 3 hours

ASE 420 Software Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 360
Taught: Fall only
Theories in software design including Unified Modeling Language and Object-Oriented Programming paradigms; software design methodologies including design patterns, refactoring and SOLID principles. Students apply theories and methodologies learned to build high-quality software systems and adapt implementations to changes in users' requests.
Repeatable: No

ASE 456 Cross-Platform Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher, and C- or better in ASE 220 or ASE 230
Taught: Fall
Explore frameworks and tools for implementing cross-platform front- and back-end software solutions, websites, as well as mobile applications. Learn to design, develop, package, and deploy reusable components and solutions for real-life scenarios including cloud as a service.
Repeatable: No
♦

ASE 485 Applied Software Engineering Capstone (3 credit hours)
Hours: 3 credit hours + o lab/studio hours
Prerequisite(s): C- or better in ASE 230 , ASE 285 , ASE 330, ASE 456 , ASE 420 and CSC 350
Taught: Spring only
Students apply all learned knowledge from the ASE program to build software systems from user requirements by analyzing requirements, designing interfaces, designing, implementing and testing code, and writing documents; students perform these tasks in teams, budgeting time and cooperating together, presenting their results at the end of the semester.
Repeatable: No

ASE 494 Adv Topics: Applied Software Engineering (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see schedule of classes).
Taught: Variable, check with department
Various advanced topics in applied software engineering.
Repeatable: Yes
If Repeatable, Max. Credits: 99

♦

ARABIC

ARI 101 Elementary Arabic I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Fundamentals; introduction to the Arabic alphabet and culture; development of skills in grammar, pronunciation, conversation, and reading.
Repeatable: No
General Education Credit: Culture and Creativity

ARI 102 Elementary Arabic II (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Continuation of ARI 101.
Repeatable: No

ARI 201 Intermediate Arabic I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARI 102 or equivalent.
Taught: Variable, check with department
Review and extension of basic language skills learned in ARI 101; reading and discussion of cultural, linguistic, and literary subjects.
Repeatable: No
♦

ARI 202 Intermediate Arabic II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARI 201.
Taught: Variable, check with department
Continuation of grammar review and enhancement of language skills begun in ARI 201; consideration of cultural and literary subjects as well.
Repeatable: No
♦

ARI 299 Independent Study: Arabic (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARI 101 and ARI 102.
Taught: Fall and spring
Intermediate level practice in Arabic language.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARI 380 Topics in Advanced Arabic (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARI 202 or equivalent.
Taught: Variable, check with department
Advanced study of Arabic language, literature and culture. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

ARI 520 Readings in Arabic (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARI 380 or equivalent.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

ASTRONOMY

AST 110 Solar System Astronomy with Laboratory - SL (4 credits)
Hours: 3 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Integrated lecture and laboratory; survey of the solar system with emphasis on application of scientific method; current thought on structure, dynamics, origin, and evolution of sun and planets; laboratory activities on observational techniques and astrophysical problems. Knowledge of elementary algebra is helpful.
Repeatable: No
General Education Credit: Natural Science

AST 115 Stars, Galaxies, and Cosmology with Laboratory - SL (4 credits)
Hours: 3 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Integrated lecture and laboratory; structure, dynamics, origin, and evolution of stars, galaxies, and the universe within a framework of scientific methodology; laboratory activities on observational techniques and astrophysical processes. Knowledge of elementary algebra is helpful.
Repeatable: No
General Education Credit: Natural Science

AST 210 Backyard Astronomy (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): MAT 102 or placement, AST 110 or AST 115.
Taught: Variable, check with department
Introduction to observational astronomy, including naked-eye observing, observing with binoculars, and telescopic observing. Topics such as amateur astronomy, star charts, coordinates, time, binoculars, telescopes, eyepieces, filters, mountings, site selection, observations of solar system objects, deep-sky observations, astrophotography and imaging may also be included.
Repeatable: No
♦

AST 294 Topics: Astronomy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department chair.
Taught: Variable, check with department
Special topics in astronomy.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

AST 310 Astronomical Techniques (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): PHY 224 or PHY 213, and MAT 129 or MAT 227.
Taught: Variable, check with department
Lecture/lab course introduces the techniques of observational astronomy. Topics may include: celestial sphere, coordinate systems, time measurements, charts, catalogs and databases, spherical trigonometry, optical telescopes, atmospheric effects, detectors and calibration, astronomical photometry, spectroscopy and spectrographs, and astronomical imaging.
Repeatable: No
♦

AST 315 Introductory Astrophysics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 129 or MAT 227, and C- or better in PHY 222 or PHY 213.
Taught: Variable, check with department
Quantitative application of physical principles to subjects of astronomical interest, such as the interaction of radiation with matter, analysis of stellar atmospheres, origin and evolution of the elements, and cosmology.
Repeatable: No
♦

AST 325 Geology of the Planets (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GLY 110 or AST 110.
Taught: Variable, check with department
Introduction to planetary science. Major topics include the history of the universe; the formation of solar systems; comparative geology of the terrestrial planets, moons, small solid bodies, and the gas/ice giant planets; the basic processes that shape the surface and interiors of planets; planetary atmospheres; extra-solar planets; and planetary missions.
Repeatable: No
♦

AST 392 Directed Research: Astronomy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Supervised research in an area of astronomy currently under investigation by one or more members of the astronomy faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

AST 394 Topics: Astronomy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): AST 115 or consent of instructor.
Taught: Variable, check with department
Topics of current astronomical interest or significant physical and philosophical importance, e.g., cosmology, black holes, relativity, stellar evolution, the interstellar medium, observational techniques, space flight, and exobiology.
Repeatable: No
♦

AST 397 Special Projects: Astronomy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Completion of an independent project in astronomy.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

AST 399 Independent Study in Astronomy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): AST 394.
Taught: Variable, check with department
Directed projects for advanced students.
Repeatable: No
♦

AST 492 Directed Research: Astronomy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): 8 semester hours of upper division physics or astronomy courses.
Taught: Variable, check with department
Supervised research in an area of astronomy currently under investigation by one or more members of the astronomy faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ATHLETIC TRAINING PROGRAM

ATP 101 Concepts of Athletic Training (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Variable, check with department
This course is designed to provide students with an understanding of Athletic Training educational and professional requirements.
Repeatable: No

ATP 200 Medical History and Documentation (1 credit)
Hours: 1 classroom + 0 lab/studio
Co-requisite(s): ATP 201 and ATP 280.
Taught: Fall and spring
Knowledge, skills, and values required for an entry-level certified athletic trainer to conduct a patient history, identify the parts of the evaluation process, and produce appropriate documentation associated with the process. The course will focus on pathology, etiology, clinical skills for assessment, proper care, and referral to

other health care personnel when necessary.
Repeatable: No

ATP 201 ROM, Goniometry, and Manual Muscle Test (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): ATP 200 and ATP 280.
Taught: Fall and spring
Knowledge, skills, and values required for an entry-level certified athletic trainer to conduct the basic physical assessments skills associated with orthopedic evaluation.
Repeatable: No

ATP 280 Pre-Athletic Training (1 credit)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): Permit of ATEP Director.
Co-requisite(s): ATP 200 and ATP 201.
Taught: Fall and spring
Knowledge, skills, and values necessary for a student entering the Athletic Training Education Program (ATP). The lab portion of the course emphasizes skill development in areas including but not limited to: immediate injury treatment, application of orthopedic appliances, and taping/wrapping. The course includes 50 hours observation with athletic trainers in a variety of employment settings. Students applying to the ATEP must take this course simultaneously with KIN 280.
Repeatable: No
♦

ATP 296 Athletic Training Clinical I (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): HEA 135, PHE 280.
Taught: Spring only
A laboratory instruction and evaluation of NATA education competencies and clinical proficiencies associated with the topics presented in PHE 280 and other pre-professional courses. The course has an associated clinical assignment that provides a supervised practical experience in an athletic training setting.
Repeatable: No
♦

ATP 300 Equipment Intensive Field Experience Program (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall only
The primary focus is the application of sport related equipment and includes knowledge and skills associated with high-risk sports medical coverage. Athletic Training students must complete a minimum of 60 clock hours.
Repeatable: No

ATP 320 Emergency Care in Athletic Training (1 credit)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): ATP 280 and KIN 280.
Taught: Fall and spring
This laboratory course will prepare the athletic training students to recognize, monitor and administer the appropriate emergency medical care to an injured or ill athlete. This laboratory course emphasizes knowledge and skill development in areas including, but not limited to recognition and management of emergency situations, such as cardiac, respiratory, heat related illnesses, diabetic and spinal cord injuries.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

ATP 333 Lower Extremity Evaluation (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): KIN 280, ATP 280, ATP 200, ATP 201, BIO 208 and BIO 208L.
Co-requisite(s): ATP 333L.
Taught: Spring only
Knowledge, skills, and values required for an entry level certified athletic trainer to assess lower extremity injuries associated with athletes and the physically active. The course will focus on pathology, etiology, clinical skills for assessment, proper care, and referral to other health care personal when necessary.
Repeatable: No
♦

ATP 333L Lower Extremity Evaluation Lab (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): ATP 333.
Taught: Variable, check with department
Knowledge, skills, and values required for an entry level certified athletic trainer for evaluation of lower extremity injuries associated with athletes and the physically active. The course will focus on the clinical skills needed for the examination and clinical diagnosis of injures to the lower extremity.
Repeatable: No

ATP 334 Upper Extremity Evaluation (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): ATP 200, ATP 201, ATP 280, KIN 280, BIO 208, and BIO 208L.
Co-requisite(s): ATP 334L.
Taught: Fall only
Knowledge, skills, and values required for an entry level certified athletic trainer to assess upper extremity injuries associated with athletes and the physically active. The course will focus on pathology, etiology, clinical skills for assessment, proper care, and referral to other health care personal when necessary.
Repeatable: No
♦

ATP 334L Upper Extremity Evaluation Lab (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): ATP 334.
Taught: Variable, check with department
Knowledge, skills, and values required for an entry level certified athletic trainer for evaluation of upper extremity injuries associated with athletes and the physically active. The course will focus on the clinical skills needed for the examination and clinical diagnosis of injures to the upper extremity.
Repeatable: No

ATP 335 Head and Spine Evaluation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ATP 200, ATP 201, ATP 280, KIN 280, BIO 208, and BIO 208L.

Taught: Spring only
Knowledge, skills, and values required for an entry-level certified athletic trainer to assess spine and core injuries associated with athletes and the physically active. The course focuses on pathology, etiology, clinical skills for assessment, proper care, and referral to other health care personnel when necessary.
Repeatable: No
♦

ATP 350 Athletic Training Junior Seminar (1 credit)
Hours: 1 classroom + 0 lab/studio
Co-requisite(s): ATP 367.
Taught: Variable, check with department
This course involves discussion of student experiences in clinical athletic training and laboratory practice of skills required for clinical athletic training. This course has an associated clinical assessment that provides a supervised practical experience in an athletic training setting.
Repeatable: No

ATP 366 Athletic Training Clinical Practicum I (2 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ATP 200, ATP 201, ATP 280, KIN 280, BIO 208, BIO 208L, and permission from instructor.
Taught: Fall and spring
The purpose of this course is to provide students a guided application of knowledge, skills, clinical decision making, and professional behaviors in a real world patient care setting. The course reflects introductory content including but not limited to: taping, rapping, triage, first-aid, injury recognition, initial treatment, and SOAP note writing. Students complete a total of 50 clock hours with a clinical education preceptor. For more details on clinical assignment requirements and eligibility please contact the Athletic Training Education Program.
Repeatable: No
♦

ATP 367 Athletic Training Clinical Practicum II (3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Permission of instructor.
Co-requisite(s): ATP 350.
Taught: Fall and spring
The purpose of this course is to provide students a guided application, knowledge, skills, clinical decision making, and professional behaviors n a real world patient care setting. The course reflects content including but not limited to examination of common injuries and conditions associated with the physical activity patient. Students complete 10 hours/per week (150 total) with a clinical education preceptor. For more details on clinical assignment requirements and eligibility please contact the Athletic Training Education Program.
Repeatable: No
♦

ATP 394 Athletic Training Practicum II (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the Athletic Training Program; ATP 333.
Taught: Fall only
A laboratory instruction and evaluation of NATA education competencies and clinical proficiencies associated with the topics presented in ATP 333, PHE 280 and other athletic training major courses. Course has an associated clinical assignment that provides a supervised practical experience in an athletic training setting.
Repeatable: No
♦

ATP 396 Athletic Training Clinical III (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the Athletic Training Program; ATP 334, ATP 420, and KIN 370.
Taught: Spring only
A laboratory instruction and evaluation of NATA education competencies and clinical proficiencies associated with the topics presented in ATP 334, ATP 420, and PHE 370 and other athletic training major courses. Course has an associated clinical assignment that provides a supervised practical experience in an athletic training setting.
Repeatable: No
♦

ATP 420 General Medical for Athletic Training (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 280, BIO 208, BIO 208L, BIO 209, and BIO 209L.
Taught: Fall only
The principles necessary for an entry level certified athletic trainer to identify, assess, and provide appropriate care and referral of general medical (non-orthopedic conditions commonly seen by sports medicine specialists.
Repeatable: No
♦

ATP 425 Therapeutic Modalities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ATP 280, BIO 208, BIO 208L, BIO 209, and BIO 209L.
Co-requisite(s): ATP 425L.
Taught: Fall only
Provide knowledge, skills, and values that the entry level certified athletic trainer must possess to plan, implement, document, and evaluate the efficacy of therapeutic modalities in the treatment of injuries to and illness of athletes and others involved in physical activity. The course has a 1 hour mandatory lab.
Repeatable: No
♦

ATP 425L Therapeutic Modalities Lab (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): ATP 425.
Taught: Variable, check with department
Knowledge, skills, and values required for an entry level certified athletic trainer must possess to plan, implement, document, and evaluate the efficacy of therapeutic modalities in the treatment of injuries to and illness of athletes and other involved in physical activity.
Repeatable: No

ATP 430 Pharmacology for Athletic Training (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 280, BIO 208, BIO 208L, BIO 209, and BIO 209L.

Taught: Fall only
Exploration of legal, physiological, and ethical parameters governing the use of pharmacological agents commonly used in the athletic training settings.
Repeatable: No
♦

ATP 435 Administration of Athletic Health Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 280.
Taught: Fall only
Provides the athletic training student with information that will enhance his/her ability to function effectively as a professional and to enhance awareness of current administrative, professional, and legal issues pertaining to athletic training and sports medicine.
Repeatable: No
♦

ATP 440 Rehabilitation of Athletic Injuries (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ATP 334, ATP 334L, BIO 208, BIO 208L, BIO 209, BIO 209L, and KIN 370.
Co-requisite(s): ATP 440L.
Taught: Spring only
Provides the knowledge, skills, and values that entry-level certified athletic trainers must possess to plan, implement, document, and evaluate the efficacy of therapeutic exercise programs for rehabilitation and reconditioning of the injuries and illnesses of athletes and others involved in physical activity.
Repeatable: No
♦

ATP 440L Rehabilitation of Athletic Injuries Lab (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): ATP 440.
Taught: Variable, check with department
Knowledge, skills, and values required for an entry level certified athletic trainer must possess to plan, implement, document, and evaluate the efficacy of therapeutic exercise in the treatment of injuries to and illness of athletes and other involved in physical activity.
Repeatable: No

ATP 450 Senior Teaching and Research Seminar (1 credit)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ATP 350.
Co-requisite(s): ATP 467.
Taught: Fall and spring
This course employs peer teaching, which allows the senior level student to disseminate knowledge to underclassmen. The student will assist the course instructor in teaching the students in the hands on skills associated with either ATP 333L, ATP 334L, ATP 425L, or ATP 440L.
Repeatable: No
♦

ATP 455 Athletic Training Senior Capstone (3 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): ATP 440 and ATP 440L.
Taught: Spring only
Provides a comprehensive review of modern athletic training issues. The course is also designed to provide the student with an introduction to research methods for health sciences/athletic training
Repeatable: No
♦

ATP 466 Athletic Training Clinical Practicum IIIA (9 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ATP 333, ATP 333L, ATP 334, ATP 334L, ATP 335, ATP 367, ATP 425, ATP 425L, ATP 440, ATP 440L and permission from instructor.
Taught: Variable, check with department
The purpose of this course is to provide students a guided application, knowledge, skills, clinical decision making, and professional behaviors in a real world patient care setting. The course reflects content including but not limited to the treatment, rehabilitation, and reconditioning of injuries/conditions associated with the physical active patient. This is a culminating clinical education experience in which students are required to 40 hours per/week with a clinical education preceptor. As a result of the clinical demands students are not allowed to enroll in more than 3 additional credit hours.
Repeatable: No
♦

ATP 467 Athletic Training Clinical Practicum IIIB (3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ATP 366, ATP 367, ATP 425, ATP 425L, ATP 440 and ATP 440L.
Taught: Variable, check with department
The purpose of this course is to provide students a guided application, knowledge, skills, clinical decision making, and professional behaviors in a real world patient care setting. The course reflects content including but not limited to the professional service, organizational/administrative and pharmacology. This is a culminating clinical education experience in which students are required to complete a total of 50 clock hours with a clinical education preceptor.
Repeatable: No
♦

ATP 494 Athletic Training Practicum IV (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to Athletic Training Program; ATP 430, ATP 425, KIN 260, KIN 340.
Taught: Fall only
A laboratory instruction and evaluation of NATA education competencies and clinical proficiencies associated with the topics presented in ATP 430, ATP 425, PHE 260 and 440. The course has an associated clinical assignment that provides a supervised practical experience in an athletic training setting.
Repeatable: No
♦

ATP 496 Athletic Training Clinical V (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to Athletic Training Program; ATP 435, ATP 440, PSY 405 and KIN 349.

Taught: Spring only
A laboratory instruction and evaluation of NATA education competencies and clinical proficiencies associated with the topics presented in ATP 435, ATP 440, PSY 405, PHE 465 and other athletic training major courses. The course has an associated clinical assignment that provides a supervised practical experience in an athletic training setting.
Repeatable: No
♦

ATP 499 Independent Study in Athletic Training (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Junior or senior standing.
Taught: Variable, check with department
Directed readings, independent research, or other areas of specific or individual academic interest. Not intended to substitute for any course offered on a regular basis. Written agreement between faculty and student must be submitted to department chair within first two weeks of semester; elements of agreement to include purpose, objective, instructional activities, time frame, and evaluation procedure.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

BIOLOGICAL SCIENCES

BIO 120 Understanding the Living World - NS (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 or higher, P in MAT 101, or C- or better or higher in MAT 102 or higher.
Co-requisite(s): BIO 120L.
Taught: Fall, spring, and summer
Cell biology, genetics, ecology, biological evolution, and diversity. Not applicable to the major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 120L Understanding the Living World Laboratory - SL (0 credits)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): BIO 120 or BIO 120H .
Taught: Fall, spring, and summer
Lab to accompany BIO 120 or BIO 120H .
Repeatable: No
General Education Credit: Natural Science

BIO 121 Diseases and the Systems they Affect - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 or higher (or equivalent placement), P in MAT 101, or C- or better or higher in MAT 102 or higher or successful completion of STA 205R or MAT 115R .

Taught: Spring only
Anatomy and physiology, including skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, urinary, and reproductive systems and diseases that affect each. Not applicable to major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 121L Diseases and the Systems they Affect Laboratory - SL (1 credit)
Hours: 0 classroom + online 2 lab/studio
Prerequisite OR Co-requisite: BIO 121.
Taught: Spring only
Laboratory to accompany BIO 121. Microscopy, anatomy, and physiology.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 123 Human Ecology - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 or higher (or equivalent placement), P in MAT 101, or C- or better or higher in MAT 102 or higher or successful completion of STA 205R or MAT 115R .
Taught: Spring only
Applications of ecological science to human impacts on natural ecosystems and use of natural resources; human population dynamics; conservation of biological diversity and ecosystem function. Not applicable to the major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 125 Biological Perspectives of Wellness - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 or higher (or equivalent placement), P in MAT 101, or C- or better or higher in MAT 102 or higher or successful completion of STA 205R or MAT 115R .
Taught: Fall, spring, and summer
Covers mental health, including depression, panic disorders, and addictions, as well as physical health, including eating disorders, heart attacks, and sexually transmitted diseases, among other topics. Not applicable to major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 126 Human Nutrition - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 or higher (or equivalent placement), P in MAT 101, or C- or better or higher in MAT 102 or higher or successful completion of STA 205R or MAT 115R .
Taught: Fall, spring, and summer
Human nutritional requirements; physiology of digestion and absorption; world food crises; food faddism and miracle diets. Not applicable to major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 150 Introduction to Biology I - NS (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 22 or higher (or equivalent placement), P in MAT 101, or C- or better or higher in MAT 102 or higher.
Co-requisite(s): BIO 150L.
Taught: Fall and spring
The chemistry of life; cell structure and function; photosynthesis and respiration; cellular reproduction and Mendelian genetics; gene regulation and DNA technology. Suggested only for students majoring or minoring in biological sciences, other natural sciences or other preprofessional programs. GENERAL STUDIES: Science inquiry.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 150L Introduction to Biology I Laboratory - NS (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 150.
Taught: Fall and spring
Laboratory to accompany BIO 150. Suggested only for students majoring or minoring in biological sciences, natural sciences, or other preprofessional programs.
Repeatable: No
General Education Credit: Natural Science

BIO 151 Introduction to Biology II (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 150 with a C- or better.
Co-requisite(s): BIO 151L.
Taught: Fall and spring
Population genetics and evolution; systematic and diversity of life; organismal systems anatomy and physiology; interrelationships among organisms and between organisms and their environment.
Repeatable: No
♦

BIO 151L Introduction to Biology II Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 151.
Taught: Fall and spring
Laboratory to accompany BIO 151.
Repeatable: No

BIO 155 Orientation to Biology (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite OR Co-requisite: BIO 150.
Taught: Fall and spring
Biology issues and applications, methodology, career opportunities, and postgraduate options. Classroom discussions, faculty panels, and written essays.
Repeatable: No
♦

BIO 158 Diversity of Life: Microbes to Humans - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Survey of the principles of heredity of biological change, diversity of life, evidence for evolution, forms of selection, speciation, co-evolution, life history strategies, extinctions, human evolution, and evolution of social behavior. Not applicable to the major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science

BIO 202 Microbiology for Health Professionals (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in one semester of college biology and one semester of college chemistry (CHE 115 or above).
Co-requisite(s): BIO 202L.
Taught: Fall, spring, and summer
Bacteriological techniques; control, epidemiology, and pathogenicity of microorganism; pathogen host relationships; disease states. Not applicable to major or minor in biological sciences.
Repeatable: No
♦

BIO 202L Microbiology for Health Professionals Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 202.
Taught: Fall, spring, and summer
Laboratory to accompany BIO 202. Bacteriological techniques.
Repeatable: No

BIO 208 Human Anatomy and Physiology I - NS (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Math ACT of 19 (or equivalent placement) or any college biology or chemistry course with a grade of C- or better.
Co-requisite(s): BIO 208L.
Taught: Fall, spring, and summer
Introduction to human structure and function. Not applicable to major or minor in biological sciences.
Repeatable: No
General Education Credit: Natural Science
♦

BIO 208L Human Anatomy and Physiology I Laboratory - SL (0 credits)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): BIO 208.
Taught: Fall, spring, and summer
Laboratory to accompany BIO 208. Gross and microscopic morphology and application of physiological principles.
Repeatable: No
General Education Credit: Natural Science

BIO 209 Human Anatomy and Physiology II (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 208.
Co-requisite(s): BIO 209L.
Taught: Fall, spring, and summer
Continuation of BIO 208 with emphasis on structure and function of organ systems. Students should complete both BIO 208 and BIO 209 for an overall survey of human structure and function. Not applicable to a major or minor in biological sciences.
Repeatable: No
♦

BIO 209L Human Anatomy and Physiology II Laboratory (0 credits)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): BIO 209.
Taught: Fall, spring, and summer
Laboratory to accompany BIO 209. Gross and microscopic morphology and application of physiological principles.
Repeatable: No

BIO 213 Gardening for Wildlife (1 Credit)
Hours: 1 classroom + 0 lab/studio hours
Taught: Fall only-odd years
How to support native plants and animals in urban yards, how to maximize diversity of native organisms, and how to make human-occupied areas safer for wildlife. Discussion of reliable information sources and basic biological principles of these techniques.
Repeatable: No

BIO 235 Costa Rican Natural History - AH (3 credits)
Hours: 2 classroom + 3 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Overview of political, ecological, developmental, and cultural interactions in Costa Rica. Pre- and post-Columbian natural history. Stress on ecological problems and solutions. Required field trip to Costa Rica during spring break.
Repeatable: No
General Education Credit: Global Viewpoints
♦

BIO 272 Medical and Biological Terminology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 150 or BIO 208.
Taught: Fall and spring
Derivatives, prefixes, roots, and suffixes.
Repeatable: No
♦

BIO 291W Advanced Writing in Biology - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in ENG 101 or ENG 151, and BIO 151 or ENV 110.
Taught: Fall, spring, and summer
Introduction to scientific literature and writing, experimental design, research, and proposal development. Advanced techniques in information search and retrieval, scientific writing, and effective presentation.
Repeatable: No
General Education Credit: Written Communication II
♦

BIO 292 Introduction to Research in Biology (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in the biological sciences by participating in a special project or original research directed by a member of the biology faculty. Course intended for science majors interested in biological sciences research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

BIO 294 Topics: Biological Sciences (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Intensive study of specialized subject matter in biological sciences. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 10

♦

BIO 300 Comparative Vertebrate Anatomy (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 300L.
Taught: Fall only-even years
Organs and organ systems of representative vertebrates; phylogentic relationships among vertebrate classes.
Repeatable: No
♦

BIO 300L Comparative Vertebrate Anatomy Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 300.
Taught: Fall only-even years
Laboratory to accompany BIO 300.
Repeatable: No

BIO 301 Invertebrate Zoology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 301L.
Taught: Fall only-odd years
Classification, anatomy, physiology, ecology, and preservation of invertebrate animals.
Repeatable: No
♦

BIO 301L Invertebrate Zoology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 301.
Taught: Fall only-odd years
Laboratory to accompany BIO 301. Field trips.
Repeatable: No

BIO 302 General Microbiology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151 and CHE 120 or CHE 120H .
Co-requisite(s): BIO 302L.
Taught: Fall and spring
Microbiological techniques; classification and morphology of microorganisms; biochemistry and control of growth; pathogenic microorganisms.

Repeatable: No

♦

BIO 302L General Microbiology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 302.
Taught: Fall and spring
Laboratory to accompany BIO 302. Microbiological techniques.
Repeatable: No

BIO 303 Vertebrate Zoology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 303L.
Taught: Fall only-even years
Classification, evolution, life histories, ecology, and distribution of vertebrates.
Repeatable: No

♦

BIO 303L Vertebrate Zoology Laboratory (0 credits)
Hours: 0 classroom + 5 lab/studio
Co-requisite(s): BIO 303.
Taught: Fall only-even years
Laboratory to accompany BIO 303. Field trips, including one weekend field trip.
Repeatable: No

BIO 304 General Ecology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 150 and BIO 151.
Taught: Fall, spring, and summer
Interrelationships between organisms and their environment.
Repeatable: No

♦

BIO 304L Ecology Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite OR Co-requisite: BIO 304.
Taught: Fall, spring, and summer
Sampling techniques, experimental design, and data analyses in ecological research. Field trips.
Repeatable: No

♦

BIO 305 Developmental Biology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 305L.
Taught: Spring only-even years
Principles of embryonic development, mainly using animal model organisms and focused on the cellular and molecular mechanisms of development.
Repeatable: No

♦

BIO 305L Developmental Biology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 305.
Taught: Spring only-even years
Laboratory to accompany BIO 305.
Repeatable: No

BIO 309 Plant Ecology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304 or consent of instructor.
Co-requisite(s): BIO 309L.
Taught: Fall only-odd years
Interrelationship of plants and their environment; classification, distribution, structure, and analysis of vegetation; plant succession; ecological methods. Field trips.
Repeatable: No

♦

BIO 309L Plant Ecology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 309.
Taught: Fall only-odd years
Laboratory to accompany BIO 309. Field trips.
Repeatable: No

BIO 312 Dendrology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 312L.
Taught: Fall only-even years
Identification and vegetational aspects of woody plants, especially those of eastern U.S.
Repeatable: No

♦

BIO 312L Dendrology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 312.
Taught: Fall only-even years
Laboratory to accompany BIO 312. Field trips.
Repeatable: No

BIO 313 General Botany (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 313L.
Taught: Spring only- even years
Morphology; taxonomy; physiology; genetics; ecology; evolution.
Repeatable: No

♦

BIO 313L General Botany Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 313.
Taught: Spring only-even years
Laboratory to accompany BIO 313. Field trips.
Repeatable: No

BIO 320 Entomology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151.
Co-requisite(s): BIO 320L.
Taught: Fall only-even years
Anatomy, physiology, ecology, behavior, life cycles, classification, and economic effects of insects.

Repeatable: No

♦

BIO 320L Entomology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 320.
Taught: Fall only-even years
Laboratory to accompany BIO 320.
Repeatable: No

BIO 342 Biometry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151, BIO 151L, and STA 205.
Taught: Spring only
Statistical techniques for biological sciences. Fundamental experimental design, exploratory data analysis, parametric and non-parametric tests, and selected multivariate procedures as applied to biological data. Use of statistical software.
Repeatable: No

♦

BIO 349 Genetics (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151 and CHE 121.
Co-requisite(s): BIO 349L.
Taught: Fall and spring
Essential concepts in genetics and genomics; DNA and chromosomes, DNA replication, recombination and repair, mitosis and meiosis, Mendelian and non-Mendelian genetics, epigenetics, gene expression, and bioinformatics.
Repeatable: No

♦

BIO 349L Genetics Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 349.
Taught: Fall and spring
Laboratory to accompany BIO 349. Hands-on experience with basic genetics, bioinformatics, and molecular biology techniques.
Repeatable: No

BIO 380 Human Cadaver Dissection (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): C- or better in BIO 151 or BIO 208, and consent of instructor.
Taught: Summer only
Preparation of human cadavers for use in anatomy labs via surgical techniques of sharp and blunt dissection. This course is designed to enhance the student's knowledge of anatomy but is not intended as a replacement for an anatomy course.
Repeatable: No

♦

BIO 392 Techniques of the Biological Sciences (1-2 credits)
Hours: 0 classroom + 3-6 lab/studio
Prerequisite(s): BIO 150 and consent of instructor prior to registration.
Taught: Fall, spring, and summer
Experience in media preparation; in herbarium, museum, and field techniques; in use of laboratory equipment; or in other practical facets of biology. Topics decided upon in consultation between student and instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

BIO 394 Internship: Biological Sciences (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 151 and consent of instructor.
Taught: Fall, spring, and summer
Experiential learning at institutions, universities, or businesses specializing in a biological field. Course may be repeated for new internship project; up to 6 semester hours may be earned in this course. For students majoring or minoring in biological or environmental sciences.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BIO 395 Study Abroad in the Biological Sciences (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
An opportunity for students to engage in one or more departmentally-approved courses abroad; topic listed in schedule of classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BIO 396 Practicum: Veterinary Medicine (1-2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): BIO 151 and consent of instructor and a local veterinarian.
Taught: Fall and spring
Work with a veterinarian specializing in large/small animals to learn skills and acquire practical information about this profession; up to 4 semester hours may be earned in this course. For pre-veterinary students.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

BIO 400 Advanced Molecular Biology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 349
Co-requisite(s): BIO 400L.
Taught: Spring only
Introduction to principles of modern molecular biology; DNA and RNA structure and synthesis; protein synthesis; gene structure, expression, and regulation; recombinant DNA techniques; plant and animal models; transgenics; contemporary bioethics issues.
Repeatable: No

♦

BIO 400L Advanced Molecular Biology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 400.
Taught: Spring only
Laboratory to accompany BIO 400. DNA and RNA purification; DNA cloning and restriction enzyme analysis; plasmid vector screening and purification; Southern blotting; hybridization; polymerase chain reaction (PCR); bacterial cell transformation; fusion proteins.
Repeatable: No

BIO 402 Evolutionary Neurobiology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 291W or PSY 311.
Co-requisite(s): BIO 402L.
Taught: Spring only-even yrs
Evolution, genetics and function of animal nervous systems from sponges to humans. Includes experience with classic models in neurobiology.
Repeatable: No
♦

BIO 402L Evolutionary Neurobiology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 402.
Taught: Spring only-even yrs
Laboratory to accompany BIO 402.
Repeatable: No

BIO 404 Herpetology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151. BIO 300 or BIO 303 recommended.
Co-requisite(s): BIO 404L.
Taught: Spring only-odd yrs
Evolution, classification, anatomy, physiology, behavior, and ecology of reptiles and amphibians; identification of local species.
Repeatable: No
♦

BIO 404L Herpetology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 404.
Taught: Spring only-odd yrs
Laboratory to accompany BIO 404. Field trips, including one weekend field trip.
Repeatable: No

BIO 406 Ecosystem Ecology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304.
Co-requisite(s): BIO 406L.
Taught: Spring only-odd years.
Interactions among living and nonliving components of ecosystems; ecosystem functions, services, and processes; trophic dynamics; temporal and spatial dynamics; climate change; pollution; ecosystem techniques and methods in field and lab.
Repeatable: No
♦

BIO 406L Ecosystem Ecology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 406.
Taught: Spring only-odd years.
Laboratory to accompany BIO 406.
Repeatable: No

BIO 407 Ornithology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): BIO 151 with a grade of C- or better, or consent of instructor.
Co-requisite(s): BIO 407L.
Taught: Spring only-even yrs
Classification, anatomy, physiology, behavior, ecology, and field identification of birds. Field trips.
Repeatable: No
♦

BIO 407L Ornithology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 407.
Taught: Spring only-even yrs
Laboratory to accompany BIO 407. Field trips, including one weekend field trip.
Repeatable: No

BIO 409 Biogeography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304.
Taught: Spring only-odd yrs
Present and past geographical distribution of organisms.
Repeatable: No
♦

BIO 410 Conservation Biology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304.
Co-requisite(s): BIO 410L.
Taught: Fall only-even years
Study of biological diversity and the modern extinction crisis: history, ecology and evolutionary biology, population genetics, wildlife and environmental management.
Repeatable: No
♦

BIO 410L Conservation Biology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 410.
Taught: Fall only-even years
Laboratory to accompany BIO 410.
Repeatable: No

BIO 420 Fermentation Biology (4 credits)
Hours: (3 classroom + 3 lab/studio)
Prerequisite(s): BIO 151
Taught: Spring only, even years
Lecture and laboratory exercises on applied microbiology in food production and industrial processes. We will discuss fermentation mediated by bacterial and yeast, prepare fermented foods and beverages, and investigate methods used to produce industrial

biomolecules. We will also interact with local and regional commercial production companies.
Repeatable: No
♦

BIO 422 Limnology (4 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151, BIO 304, and CHE 121. BIO 291W recommended.
Co-requisite(s): BIO 422L.
Taught: Variable, check with department
Physical, chemical, and biological properties of inland waters; organization of aquatic communities, phytoplankton, zooplankton, benthos, trophic dynamics, and eutrophication; limnological methods and techniques.
Repeatable: No
♦

BIO 422L Limnology Laboratory (0 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): BIO 422.
Taught: Fall only-even years
Laboratory to accompany BIO 422. Field trips.
Repeatable: No

BIO 425 Advanced Human Anatomy and Physiology I (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 291W and CHE 121; or consent of instructor.
Co-requisite(s): BIO 425L.
Taught: Fall only
Anatomical, histological, and physiological mechanisms of integumentary, skeletal, muscular, and nervous systems. First semester of a one-year course; students should follow this course with BIO 426.
Repeatable: No
♦

BIO 425L Adv. Human Anatomy and Physiology I Lab (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 425.
Taught: Fall only
Laboratory to accompany BIO 425.
Repeatable: No

BIO 426 Advanced Human Anatomy and Physiology II (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 425 or consent of instructor.
Co-requisite(s): BIO 426L.
Taught: Spring only
Anatomical, histological, and physiological mechanisms of endocrine, cardiovascular, immune, respiratory, digestive, and urogenital systems. Continuation of *BIO 425* .
Repeatable: No
♦

BIO 426L Adv. Human Anatomy and Physiology II Lab (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 426.
Taught: Spring only
Laboratory to accompany BIO 426.
Repeatable: No

BIO 430 Immunology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 302 and BIO 302L.
Taught: Spring only-odd yrs
Biology of the immune response.
Repeatable: No
♦

BIO 430L Immunology Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 430.
Taught: Spring only-odd yrs
Laboratory to accompany BIO 430.
Repeatable: No

BIO 436 Advanced Biology of the Cell (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 349.
Taught: Spring only
Structure and function of cellular organelles; role of energy, membranes, nucleic acids, and proteins in cellular regulation; nature of nerve impulse.
Repeatable: No
♦

BIO 440 Animal Behavior (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: C- or better in BIO 291W or PSY 311.
Co-requisite(s): BIO 440L.
Taught: Spring only-odd yrs
Nervous systems and neurophysiology; classification, genetics, evolution, and ecology of behavior; developmental and social behavior.
Repeatable: No
♦

BIO 440L Animal Behavior Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 440.
Taught: Spring only-odd yrs
Laboratory to accompany BIO 440.
Repeatable: No

BIO 441 Animal Physiological Ecology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304.
Taught: Fall only-odd years
Internal adjustments by animals to physical changes at the organism- environment interface. Influence of the physical and biological characteristics of the external milieu on geographic, evolutionary, and temporal distribution of animals. Energetics, homeostasis, and adaptation, including role of behavior.

Repeatable: No

♦

BIO 441L Animal Physiological Ecology Laboratory (1 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 441.
Taught: Fall only-odd years
Laboratory to accompany BIO 441.
Repeatable: No

BIO 446 Plant Physiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151 and CHE 121.
Taught: Spring only-odd yrs
Photosynthesis, cellular respiration, carbohydrate and protein metabolism, mineral nutrition, hormonal controls, and related topics in physiology of green plants.
Repeatable: No

♦

BIO 452 Cancer Genetics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 291W and BIO 349.
Taught: Fall only-even years
Molecular and cellular bases of cancer; genetic changes that disrupt cell division, chromosome stability, cell movement, cell communication, and a variety of other essential cellular processes toward cancer development.
Repeatable: No

♦

BIO 455 Scanning Electron Microscopy (3 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): C- or better in BIO 151 or consent of instructor.
Taught: Variable, check with department
Lecture-laboratory; theory and applications; phase contrast, polarizing, and transmission microscopes discussed for comparative purposes.
Repeatable: No

♦

BIO 458 Evolution of Organisms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 349.
Taught: Fall and spring
Mechanisms; historical and philosophical perspectives; empirical evidence; contemporary application.
Repeatable: No

♦

BIO 460 Marine Biology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 151 and BIO 291W.
Taught: Variable, check with department
Survey of physical, chemical, and biological oceanography; marine ecology, primary productivity, biodiversity, and marine ecosystems.
Repeatable: No

♦

BIO 460L Marine Biology Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite OR Co-requisite: BIO 460.
Taught: Summer only
Exercises and intensive field trip to coastal marine research laboratory.
Repeatable: No

♦

BIO 461 Ecology and Geology of Coral Reefs (4 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Declared major at or above the sophomore level in a natural science and consent of instructor.
Taught: Variable, check with department
Ecological and geological processes in reef ecosystems. Benthic and pelagic biotic communities, reef development and erosion, sedimentation, ancient and modern reefs, responses to environmental change. Required field trip to marine research laboratory.
Repeatable: No

♦

BIO 462 Tropical Ecology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304.
Taught: Spring only-even yrs
Unique features of tropical ecosystems, abiotic characteristics, gap dynamics biodiversity, plant-animal interactions, economic importance of tropical forests, causes and consequences of tropical deforestation. BIO 303 recommended.
Repeatable: No

♦

BIO 463 Tropical Ecology Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BIO 151. BIO 462 recommended.
Taught: Spring only-even years
Practical experience in studying tropical biota. Required field trip during spring break at a location in the tropics.
Repeatable: No

♦

BIO 465 Regional Biology (2-4 credits)
Hours: 0-4 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 304 and consent of instructor.
Taught: Variable, check with department
Intensive study of flora and/or fauna of a particular region. May be repeated once for a different region.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

BIO 467 Endocrinology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 349
Taught: Fall only-odd years
Human endocrine system, hormonal control of body processes, and hormonal disorders.

Repeatable: No

♦

BIO 470 Medical Microbiology (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 302.
Co-requisite(s): BIO 470L.
Taught: Fall only-even years
Pathogenic bacteria and viruses; techniques for isolation, identification, and control of specific disease agents; functions of the immune response in preventing and promoting disease.
Repeatable: No

♦

BIO 470L Medical Microbiology Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): BIO 470.
Taught: Fall only-even years
Laboratory to accompany BIO 470.
Repeatable: No

BIO 475 Virology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in BIO 302.
Taught: Fall only-odd years
Classification, chemical composition, morphology, genetics, and replication of viruses, action of physical and chemical agents on viruses; host response to viral infection.
Repeatable: No

♦

BIO 491 Comprehensive Examination (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): 20 hours of upper-division courses in biological sciences.
Taught: Fall, spring, and summer
Requires the submission of a program reflection and successful completion of an examination of general concepts in biological sciences. (Pass/Fail)
Repeatable: No

♦

BIO 492 Directed Research: Biological Sciences (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 291W and consent of instructor.
Taught: Fall, spring, and summer
Development and completion of a scientific research project chosen in consultation with instructor. Final project report is required. For students majoring or minoring in biological sciences and especially for those planning further study in graduate school.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BIO 494 Topics: Biological Sciences (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior or senior standing in biological sciences.
Taught: Variable, check with department
In-depth study of specialized subject matter. May be repeated for credit once when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BIO 496 Biology Undergraduate Teaching Assistant (1-2 credits)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): BIO 150, BIO 151, overall GPA of at least 3.00, and consent of instructor prior to registration.
Taught: Fall, spring, and summer
Participation in planning, setting-up, teaching, conducting reviews, and testing in an undergraduate course. For students majoring or minoring in biological sciences.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

BLACK STUDIES

BLS 100 Introduction to Black Studies - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
This course is designed to engage students in the study of the seven core areas of Black studies: Black History, Black Sociology, Black Religion, Black Economics, Black Politics, Black Psychology, and the humanities (Black Literature, Art, and Music).
Repeatable: No
General Education Credit: Cultural Pluralism

BLS 494 Topics: Black Studies (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Variable, check with department
Study of selected topics. Subfields will be chosen in keeping with the interest of the instructor in charge and will be listed in the Schedule of Classes. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

BUSINESS

BUS 101 Introduction to Business (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
Assistance in decisions about majors and careers; socialization to expectations and behaviors associated with being a college student and careers in business. Open only to students with fewer than 45 earned hours, or by consent of instructor.
Repeatable: No

BUS 101H Honors Introduction to Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Basic knowledge of organizational structures, business functions, and types of business enterprises; assistance in decisions about

majors and careers; socialization to expectations and behaviors associated with careers in business. Open only to students with fewer than 45 earned hours, or by consent of instructor.
Repeatable: No

BUS 201 Haile Professionals (1 credits)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): A declared pre-major or major within the Haile/US Bank College of Business or Business Information Systems in the College of Informatics; completion of 40 semester credit hours. Students should complete BUS 201 before the completion of 75 semester credit hours.
Taught: Fall and spring
Develops business professionalism and prepares students for successful internship and career employment interviews. Prepares students to leverage their accomplishments and academic preparation in creating and maintaining professional, career-oriented resumes.
Repeatable: No
♦

BUS 230 Legal Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Concepts in legal environment; ethical considerations in business decisions; broad overview of judicial process, legal systems, contracts, torts, environmental and international issues, employment law, and consumer protection.
Repeatable: No
♦

BUS 301 Business Professionalism/Career Prep 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): A declared pre-major or major within the Haile College of Business or Business Information Systems in the College of Informatics; completion of 40 semester credit hours. Students should complete BUS 301 before the completion of 75 semester credit hours.
Taught: Fall and Spring
Develops business professionalism and prepares students for successful internship and career employment interviews. Teaches how to develop marketable skills from client-based projects for use in future courses and employment. Prepares students to leverage their accomplishments and academic preparation in creating and maintaining professional, career-oriented resumes.
Repeatable: No

BUS 330 Ethics: Managerial Decision Making (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BUS 230 and junior standing.
Taught: Fall and spring
Application of ethics to decision-making in business; case method, discussion and presentations. BUS 230 and junior standing.
Repeatable: No
♦

BUS 394 Topics: Legal Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Topics vary and will be listed in the Schedule of Classes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BUS 396 Internship: Business (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of a supervising faculty member
Taught: Variable, check with department
Supervised professional work and learning experience in an approved major-related professional position. Can be paid or non-paid work experience.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

IBU 395 Study Abroad in Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor
Taught: Variable, check with department
Opportunity for students to engage in a course encompassing education abroad; topic to be listed in schedule of classes when course is offered. May include preparatory class meetings and assignments, and, if applicable, follow-up meetings or assessment activities. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

IBU 396 International Business Internship (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Declared major or minor in International Business (IB), and approval by the Director of International Business.
Taught: Fall, spring and summer
Supervised application-based work experience related to IB major/minor. Students must have sufficiently advanced through the IB degree major/minor to meet specific knowledge or skill requirements of the internship position. Other requirements may be applied by host/exchange organization or institution. Maximum of 3 hours can be used as an IB minor elective.
Repeatable: Yes
If Repeatable, Max. Credits: 12 hours

♦

IBU 480 International Commerce (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing; open only to certified IB Majors; MGT 360, MKT 333, GSCM 207, and FIN 415.
Taught: Spring only
Strengthening and application of concepts in global business management and strategy, global marketing, global supply chain management, finance and trade. Emphasis on integration of business concepts that affect global commerce, including culture, technology, and regulatory compliance. Analysis and presentations using case studies is used to develop acumen and decision-making

skills.
Repeatable: No

♦

IBU 499 International Business: Independent Study (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing; open only to certified IB Majors.
Taught: Fall and spring
Elective course in the IB major. It is especially valuable as a synoptic course in the overall IB Major curriculum, integrating the multi-faceted knowledge bases of various disciplines into a unified and individualized form, that may encompass a broad range of meaningful research, project, and region or country specific activities.
Repeatable: No

♦

BUSINESS INFORMATICS

BIS 101 Fundamentals of Business Computing (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Understanding the basic concepts of informatics in a context including computer technology; examination of hardware and software; impact computers have on society including employment, privacy, ethics, and security; working with information as a resource. The course includes computer laboratory exercise in Office (Word, Excel, PowerPoint, Access) and Internet technology applications.
Repeatable: No

BIS 275 Introduction to Business Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Introduces students to the underlying concepts and tools of business operations and data analysis. These concepts and tools are the foundation of an Informatics professional's ability to assess business operations and analyze data for business decisions.
Repeatable: No

BIS 300 Management Information Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or BUS 101 or BIS 275; STA 205 or STA 205R or STA 250; AND *BIS 101, or Business Informatics departmental permission*
Taught: Fall, spring, and summer
Principles of MIS designed to introduce students to the fundamentals of Management Information Systems and to apply problem-solving skills in Excel, Access, and Web development.
Repeatable: No

♦

BIS 305 Advanced Business Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): INF 110 or INF 120.
Taught: Fall and spring
Computer software design and programming in an applications development environment; systems design, programming techniques, and language syntax for developing computer based business systems; programming system methodologies.
Repeatable: No

♦

BIS 310 Systems Analysis and Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): INF 110 or INF 120; BIS 300; and junior standing.
Taught: Fall and spring
The systems development life cycle; systems analysis and general design; analysis strategies, tools, and techniques for documenting current systems and developing proposed systems; systems modeling, data modeling, design criteria, cost/benefit trade-offs, and project management; development of a comprehensive systems analysis project.
Repeatable: No

♦

BIS 320 Descriptive Analytics & Visualization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): (STA 205 or STA 205R or STA 250) and INF 282
Taught: Fall
Students are instructed on the use of analytic methods, which draw from historical and current data to support business decision making and management. Students make use of contemporary software for business analytics and are taught univariate and multivariate descriptive analytic methods.
Repeatable: No

BIS 330 IT Project Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 275 or BIS 300.
Taught: Fall and spring
This course provides students knowledge and skills pertaining to IT Project Management. It exposes students to the knowledge requirements for managing information technology projects and fosters development of skills pertaining to the use of computer software for project management.
Repeatable: No

♦

BIS 357 Enterprise Resource Planning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300 or Business Informatics departmental permission.
Taught: Variable, check w/ department
This class provides a basic understanding of business processes in Enterprise Resource Planning and integrates the knowledge from other functional areas such as marketing, finance, and accounting. Students will gain an appreciation for the role of an enterprise system in managing business processes spanning multiple functional perspectives.
Repeatable: No

♦

BIS 360 Predictive Analytics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 320 or BIS 380
Taught: Spring only
Students are instructed on the development and use of predictive analytic models that support decision making and management. Students make use of contemporary predictive analytic software

and scripting languages and are taught predictive algorithms such as linear and logistic regression, decision trees, random forests, k-centroids clustering, and naïve Bayes classification.
Repeatable: No

BIS 364 Visualizing Data for Business Analysis (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): STA 205 or STA 205R or STA 250 and INF 282.
Taught: Spring Only
This course focuses on techniques for creating effective visualizations for business analysis based on the principles of graphic design, visual art, perceptual psychology, and cognitive science. The course builds on both the theoretical and hands-on components using current visualization software and is targeted towards students interested in building visualizations of business data.
Repeatable: No
♦

BIS 370 Information Systems Auditing (3 credits)
Hours: 3 credit hours + o lab/studio hours
Prerequisite(s): BIS 300
Taught: Variable, check with department
This course teaches the fundamental concepts of information systems auditing. This includes the auditing process, IT governance, IS development, Business Resilience, and Protection of the Information Assets.
Repeatable: No

BIS 380 Quantitative Analysis for Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300; STA 205 or STA 205R or STA 250.
Taught: Fall, spring, and summer
Business decisions require the basic skills of analyzing data to understand the problem more completely and to produce better answers. The business environment uses tools and techniques to accomplish this analysis. This course is designed to introduce students to those tools and techniques and how they can be automated.
Repeatable: No
♦

BIS 382 Information Security Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300 or equivalent.
Taught: Fall only
An introduction to the various technical and administrative aspects of Information Security and Assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.
Repeatable: No
♦

BIS 384 Business Analytics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 380 or DSC 311.
Taught: Fall only
Will examine real world application of statistical, information systems, and decision science methodologies for descriptive, prescriptive and predictive analysis in business planning and decision making. Students will be exposed to an integrated set of computer-based business analytical tools.
Repeatable: No
♦

BIS 392 Directed Research in Information Systems (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Business Informatics departmental permission.
Taught: Variable-chck w/dept
Research project relating to Information Systems. Academic credits are awarded based on the defined project scope, deliverables and student learning objectives on a variable scale.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

BIS 394 Topics: Information Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Business Informatics departmental permission.
Taught: Variable, check with department
Repeatable: No
♦

BIS 396 Applied Business Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Business Informatics departmental permission.
Taught: Variable, check with department
Applied projects and experiential learning work experience relating to business informatics. Academic credits are awarded based on defined student learning objectives and coinciding project work experience on a variable scale. Only 3 hrs can be applied as an elective to the BIS major.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

BIS 397 Information Systems Projects (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Business Informatics departmental permission.
Taught: Variable-chck w/dept
Applied projects relating to business information systems. Academic credits are awarded based on the defined project scope, deliverables and student learning objectives on a variable scale. Repeatable for up to 6 credit hours. Only 3 hours can be applied as an elective to the BIS major or IS minor.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

BIS 399 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Business Informatics departmental permission.
Taught: Variable, check with department

Student investigation of a topic or completion of a project. Meeting times arranged with instructor.
Repeatable: No

♦

BIS 402 Programming for E-Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300 and BIS 305 or equivalent; junior standing; Certified Business or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Variable, check with department
Employ technologies, tools, and practices for development of corporate Intranets and the Internet for information management and electronic commerce; coverage of Internet working technologies, site design, content development languages and components, and data management techniques; development of web-based sites for business and commercial operations.
Repeatable: No

♦

BIS 420 Business Intelligence & Enterprise Appl. (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300; junior standing; Certified Business or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Fall only - odd years
This course explores business intelligence concepts and technologies and their application in business organizations. It also focuses on enterprise systems that facilitate the planning and use of organizational databases to implement decision support systems, data warehousing and data mining systems and executive support systems to improve organizational performance.
Repeatable: No

♦

BIS 430 Business Process Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300; junior standing; Certified Business or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Fall only - even years
Introduction to the analysis, design and management of organizational and inter-organizational business processes. Topics: Workflow management issues at the individual, group and organizational levels; Business process improvement, customer relationship management, supply chain management; software and optimization tools of process modeling and workflow simulation.
Repeatable: No

♦

BIS 435 Database Management Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): INF 282 and junior standing.
Taught: Fall only
Concepts and techniques of data organization and access; basic data structures, file organization and processing, database modeling and processing, database management systems, database analysis and design, data administration, and implementing databases in a client/ server architecture.
Repeatable: No

♦

BIS 440 Global Information Technology Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 300; Junior standing; Certified Business or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Variable, check with department
This course provides insight into issues relating to international information systems that serve global markets and facilitate expansion and entry of businesses into global information systems and the management of international outsourcing projects are also emphasized. Cross-cultural and ethical issues pertaining to international information systems are emphasized.
Repeatable: No

♦

BIS 460 Prescriptive Analytics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 380 OR (see the prereq/coreq)
Prerequisite OR Co-requisite: OR DSC 311
Taught: Fall
Students are instructed on the development and use of prescriptive models that support business operations and decision making. Students make use of contemporary prescriptive analytic software and are taught optimization modeling, simulation modeling, multi-criteria decision making (MCDM), and expert system development.
Repeatable: No

BIS 485 Strategic Information Systems Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIS 330, FIN 305, MGT 305, MKT 205; Certified Business or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Fall only
This course enables future managers of MIS to better utilize information technologies for competitive advantage. It also focuses on managerial techniques for setting the direction for organizational IT resource planning and the development of IT policies and strategies for complex business environments.
Repeatable: No

BIS 494 Topics: Information Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Certified Business major, or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Variable, check with department
Selected topics in computer based information systems. Offered periodically with topics announced in advance. Open only to students certified as majoring in information systems.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

BIS 499 Independent Study: Information Systems (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Certified Business major, or College of Informatics major or minor, or Business Informatics departmental permission.
Taught: Variable, check with department
Student investigation of a topic or completion of a project. Meeting times arranged with instructor.
Repeatable: No
♦

BIS 594 Topics in Business Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Topics on business analytics and other areas of business informatics. Topics vary by semester. Repeatable for a maximum of up to 6 semester hours when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MBI 599 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Independent project or intensive study/research with faculty guidance. Open only by consent of advisor/instructor. Meeting times arranged with instructor.
Repeatable: No
♦

CAREER AND TECHNICAL EDUCATION

CTE 180 Foundations: Career/Technical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Principles, objectives, historical perspective, purposes, and roles of career and technical education as related to technological, societal, and educational influences.
Repeatable: No

CTE 181 Instructional Systems Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Design and development of instructional systems; performance objectives, appropriate content, instructional media, teaching learning strategies, and curricula analysis in specialized industrial education programs at all educational levels.
Repeatable: No

CTE 195 Vocational Pre-Certification Experience (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Verification of eligibility by Kentucky Department of Education.
Taught: Summer only
Completion of Kentucky Teacher Internship and Kentucky Department of Education Management by Instruction workshop. Graded pass/fail.
Repeatable: No
♦

CTE 280 Instructional Methods: Career and Technical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CTE 181.
Taught: Fall only
Methods and strategies for the implementation or presentation of instructional systems in specialized career and technical education programs at all educational levels.
Repeatable: No
♦

CTE 281 Evaluation in Career/Technical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CTE 181.
Taught: Spring only
Principles and procedures in evaluating student and teacher behavior including preparation of measuring devices, methods of assessing technical competency, interpretation of standardized tests and introduction to statistical analysis of test data.
Repeatable: No
♦

CTE 285 Competency Testing Examination (3-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Taught: Variable, check with department
National Occupational competency Testing Institute Examination in a specific career/technical area. Students must register for examination with an approved NOCTI Testing Center.
Repeatable: No

CTE 286 Competency Testing Examination (3-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Taught: Variable, check with department
National Occupational Competency Testing Institute Examination in a specific career/technical area. Students must register for examination with an approved NOCTI Testing Center.
Repeatable: No

CTE 316 Intercultural Business Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior classification or consent of instructor.
Taught: Fall and spring
Written, oral, and nonverbal communication techniques in diverse domestic and multinational high-tech work environments for effective communication among employees and with customers and clients.
Repeatable: No
♦

CTE 380 Organization and Management of Career and Technical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Prerequisite: CTE 181 or consent of instructor.
Co-requisite(s): Curricular responsibilities as applied to career and technical education programs at all educational levels.
Taught: Spring only-odd yrs
Laboratory and equipment planning and maintenance programs,

classroom and laboratory management systems; purchasing, storage, dispensing, and inventory control procedures; public relations.
Repeatable: No

♦

CTE 382 Exceptional Students in Career/Technical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only-odd years
Adapting career and technical school programs to accommodate integration of exceptional students in vocational laboratories; identification of characteristics, curricula, and methodological modifications and supportive services and personnel.
Repeatable: No

CTE 385 Competency Testing Examination (3-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Taught: Variable, check with department
National Occupational competency Testing Institute Examination in a specific career/technical area. Students must register for examination with an approved NOCTI Testing Center.
Repeatable: No

CHEMISTRY

CHE 102 Introduction to Chemistry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Able to enroll in MAT 102 or equivalent.
Taught: Fall and spring
Selected essential topics in chemistry, including solutions, reactions, stoichiometry, and properties of gases, liquids, and solids. Prerequisite for CHE 115 and CHE 120 for those who did not study chemistry in high school or are not prepared for CHE 115 or CHE 120. NOT a general education course. (Formerly CHE 110)
Repeatable: No

♦

CHE 105L Discovering Chemistry Laboratory - SL (1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite OR Co-requisite: CHE 112
Taught: Fall only
Laboratory examination of basic principles of chemistry and their applications in daily life; promoting problem-solving skills by utilizing discovery/inquiry and cooperative learning approaches. For students majoring in education.
Repeatable: No
General Education Credit: Natural Science

CHE 112 Chemistry and Society - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Basic principles of chemistry and their applications in society. For students not majoring in science. Enrollment in CHE 112L is recommended but not required.
Repeatable: No
General Education Credit: Natural Science

CHE 112L Chemistry and Society Laboratory - SL (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite OR Co-requisite: CHE 112.
Taught: Fall and spring
Simple laboratory techniques in experiments designed to study the properties of model compounds and consumer products; synthesis and analysis of common materials.
Repeatable: No
General Education Credit: Natural Science

♦

CHE 115 Physiological Chemistry - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): High school chemistry and able to enroll in MAT 102 or equivalent.
Co-requisite(s): CHE 115L.
Taught: Fall, spring, summer
General, organic, and biological chemistry of the body. Not applicable toward a major or minor in the natural sciences. CHE 115 is intended for students in nursing, exercise science and allied health programs.
Repeatable: No
General Education Credit: Natural Science

♦

CHE 115L Physiological Chemistry Laboratory - SL (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): CHE 115.
Taught: Fall, spring, and summer
Laboratory examination of chemical and biochemical principles.
Repeatable: No
General Education Credit: Natural Science

CHE 120 General Chemistry I - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): High school chemistry and Math ACT of 23 (or equivalent placement) or higher or able to enroll in MAT 103 *or equivalent; OR a B- or better in CHE 102 .*
Co-requisite(s): CHE 120L.
Taught: Fall and spring
Principles of chemistry; physical and chemical properties of elements and compounds.
Repeatable: No
General Education Credit: Natural Science

♦

CHE 120L General Chemistry I Laboratory - SL (1 credit)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): CHE 120.
Taught: Fall and spring
Experiments describing principles of chemistry as well as those describing physical and chemical properties of elements and compounds.
Repeatable: No
General Education Credit: Natural Science

CHE 121 General Chemistry II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 120 or CHE 120H .
Taught: Spring and summer

Continuation of CHE 120. Enrollment in CHE 121L is strongly encouraged but is not required.
Repeatable: No

♦

CHE 121L General Chemistry II Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C- or better in CHE 120L or CHE 120HL .
Prerequisite OR Co-requisite: CHE 121.
Taught: Spring and summer
Continuation of CHE 120L.
Repeatable: No

♦

CHE 125 Introduction to Chemistry & Biochemistry (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Major in chemistry or biochemistry.
Co-requisite(s): CHE 120 or CHE 120H .
Taught: Fall and spring
Introduction to chemistry and biochemistry majors, careers in chemical and related fields, introduction to department research opportunities.
Repeatable: No

♦

CHE 130 Chemistry: An Engineering Approach - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): High school chemistry and able to enroll in MAT 103 or equivalent; or a minimum score of 40 on the ALEKS placement test; or a minimum score of 23 on the ACT math section or equivalent; or a B- or better in CHE 102.
Prerequisite OR Co-requisite: CHE 130L.
Taught: Spring only
This course is intended to provide students with a background in concepts and principles of chemistry from the perspective of engineering. Emphasis on those areas considered most relevant in an engineering context, and practical applications in engineering and technology will be examined.
Repeatable: No

♦

CHE 130L Chemistry: An Engineering Approach Lab - SL (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite OR Co-requisite: CHE 130.
Taught: Spring only
This laboratory course is intended to provide students with a background in important concepts and principles of chemistry from the perspective of engineering. Emphasis will be placed on those areas considered most relevant in an engineering context, and practical applications in engineering and technology will be examined.
Repeatable: No

♦

CHE 192 Experiences in Research (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Departmental approval
Taught: Variable, check with department
Introduction to chemistry research through hands-on experimentation with faculty on current research projects. Experineces with diverse chemical research methods and research opportunities within the department. Topics chosen by participating faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 99

♦

CHE 292 Introductory Chemical Research (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Fall, spring, summer
Introduction to chemical research by participating in a special project or original research directed by a member of the chemistry faculty. Course intended for science majors interested in chemistry research but not ready or able to enroll in CHE 492. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CHE 300 Careers in Chemistry (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Successful completion of a 300-level chemistry course.
Taught: Fall only
Explore post-graduate options and develop career search strategies and interview skills associated with the chemistry and biochemistry fields. Examine skills/personality traits and how they align to careers. Consider non-traditional career opportunities in the discipline and build a portfolio to prepare students for post-graduation success.
Repeatable: No

♦

CHE 305 Main Group Chemistry (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 121 or CHE 121H .
Taught: Variable, check with department
Detailed study of the elements found in groups 1, 2, 13-18; sources, reactions, representative compounds.
Repeatable: No

♦

CHE 310 Organic Chemistry I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 121 or CHE 121H .
Taught: Fall and spring
Introduction to the chemistry of carbon compounds; bonding, structure, and introductory analysis and synthesis.
Repeatable: No

♦

CHE 310L Organic Chemistry I Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C- or better in CHE 121L or CHE 121HL .
Prerequisite OR Co-requisite: CHE 310.
Taught: Fall and spring

Introduction to the laboratory practice of organic chemistry; techniques and separations.
Repeatable: No

♦

CHE 311 Organic Chemistry II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 310.
Taught: Spring and summer
Chemistry and properties of organic substances; reactions of functional groups, synthesis, and spectroscopic analysis.
Repeatable: No

♦

CHE 311L Organic Chemistry II Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C- in CHE 310L .
Prerequisite OR Co-requisite: CHE 311.
Taught: Spring and summer
Reactions of organic compounds; identification of unknowns; synthesis.
Repeatable: No
Available High Impact Practices: research/creativity

♦

CHE 320 Inorganic Chemistry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 310.
Co-requisite(s): CHE 320L.
Taught: Spring only
Chemistry of the elements and their compounds; coordination, bioinorganic and materials chemistry. Selected other topics.
Repeatable: No

♦

CHE 320L Inorganic Chemistry Laboratory (2 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): C- or better in CHE 310L.
Prerequisite OR Co-requisite: 391W.
Co-requisite(s): CHE 320.
Taught: Spring only
Advanced laboratory synthesis, purification, and characterization of inorganic compounds; application of techniques in primary literature.
Repeatable: No

♦

CHE 325 Organometallic Chemistry (1 credit)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in both CHE 310 and CHE 310L.
Taught: Variable, check with department
Properties and uses of organometallic compounds; synthesis, purification, and characterization of organometallic compounds using current methods.
Repeatable: No

♦

CHE 330 Chemistry of Materials (1 credit)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in CHE 121 or CHE 121H .
Taught: Variable, check with department
Introduction to the chemistry of materials. Structure-property relations, including self-organization, magnetic properties, and nanostructures. Introduction to characterization methods used in the chemistry of materials.
Repeatable: No

♦

CHE 340 Analytical Chemistry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 121 or CHE 121H .
Co-requisite(s): CHE 340L.
Taught: Fall only
Chemical and stoichiometric principles; gravimetric, volumetric, and spectrophotometric analysis.
Repeatable: No

♦

CHE 340L Analytical Chemistry Laboratory (2 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): CHE 121L or CHE 121HL .
Co-requisite(s): CHE 340.
Taught: Fall only
Quantitative determination of the elements; traditional chemical methods and some instrumental methods of analysis.
Repeatable: No

♦

CHE 345 Electronics for Scientists and Engineers (1 credit)
Hours: 1 classroom hour; 0 lab/studio
Prerequisite(s): CHE 340 and CHE 350 OR EGT 161.
Taught: Summer only
Study of analog and digital circuitry, including the usage of Arduino and raspberry pi technology. Application of these technologies for the design and construction of basic scientific instrumentation for chemical analysis.
Repeatable: No

♦

CHE 350 Instrumental Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 340 and CHE 340L.
Co-requisite(s): CHE 350L.
Taught: Spring only
Analytical techniques involving modern chemical instruments.
Repeatable: No

♦

CHE 350L Instrumental Analysis Laboratory (2 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite OR Co-requisite: CHE 391W.
Co-requisite(s): CHE 350.
Taught: Spring only
Experiments designed to familiarize students with modern analytical instruments.
Repeatable: No

♦

CHE 360 Physical Chemistry I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in both CHE 121 and MAT 229 or equivalent.
Prerequisite OR Co-requisite: PHY 222 or PHY 213.
Taught: Fall only
Classical thermodynamics, reaction equilibria, phase equilibria, and electrochemical systems.
Repeatable: No
♦

CHE 361 Physical Chemistry II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 360 and MAT 228 or MAT 229 and PHY 222 or PHY 213.
Taught: Spring only
Kinetic molecular theory of gases, chemical kinetics, transport processes, elementary quantum chemistry, and spectroscopy.
Repeatable: No
♦

CHE 362L Physical Chemistry Laboratory (2 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite OR Co-requisite: CHE 361 and CHE 391W.
Taught: Spring only
Experiments in thermodynamics, chemical kinetics, transport properties, spectroscopy, and elementary quantum chemistry.
Repeatable: No
♦

CHE 365 Molecular Modeling (1 credit)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in CHE 310.
Taught: Variable, check with department
Introduction to computer-based molecular modeling using molecular mechanics, molecular orbital theory, and density functional theory. Calculation of equilibrium and transition-state geometries, spectroscopic properties, and reaction energies. Modeling of structures of biopolymers and docking of ligands into protein binding sites.
Repeatable: No
♦

CHE 391W Chemical Information and Writing - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Chemistry major and one upper division chemistry course and one of the following ENG 101 (or equivalent)*, ENG 104 , ENG 151H, HNR 101 , HNR 102 or* HNR 200 .
Taught: Fall and spring
Use and analysis of chemical information sources. Emphasis on specific writing methods used in chemistry such as abstracts, reports, grants and grant reviews. Does not count towards the chemistry minor.
Repeatable: No
General Education Credit: Written Communication II
♦

CHE 392 Advanced Laboratory Projects (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
The study of published syntheses and other chemical reactions and experiments to develop usable protocols, procedures, or laboratory experiments. Directed by a member of the chemistry faculty. May not be used for the chemistry minor. May be repeated for different lab courses for a total of no more than three credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 3
♦

CHE 394 Topics: Chemistry (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 310 or consent of instructor.
Taught: Variable, check with department
Various topics of interest in chemistry. Can be repeated for up to 6 hours as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

CHE 396 Practicum: Chemistry (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and completion of the designated course with a grade of B or better.
Taught: Variable, check with department
Participation in planning, teaching, and testing in a designated undergraduate chemistry course. Designed especially for students majoring in chemistry and in science education. Does not count toward a major or minor in chemistry.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

CHE 397 Cooperative Education (0-3 Credits)
Hours: 0 classroom + Variable lab/studio
Prerequisite(s): CHE 121 and consent of instructor.
Taught: Fall, spring and summer
Experiential learning in a chemistry-related field at external institutions, universities, or businesses. Open only to students majoring or minoring in Chemistry.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CHE 399 Independent Study in Chemistry (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): 20 semester hours of chemistry and consent of instructor.
Taught: Variable, check with department
Independent survey of literature; written reports on selected topics..
Repeatable: Yes
If Repeatable, Max. Credits: 4
♦

CHE 400 Chemistry Seminar (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): CHE 391W and an additional 20 semester hours of chemistry.
Taught: Fall and spring
Use of chemical literature searching and analysis techniques to prepare and present seminars and written reports.
Repeatable: No
♦

CHE 410 Spectrometric Identification of Compounds (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 310.
Taught: Variable, check with department
Interpretation of data obtained by mass spectrometric analysis and by infrared, ultraviolet/visible, and nuclear magnetic resonance spectroscopic analyses as applied to the establishment of structure.
Repeatable: No
♦

CHE 440 Environmental Chemistry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in both CHE 311 and CHE 340.
Taught: Variable, check with department
Chemistry as it applies to environmental problems and their solutions; analytical methods, energy needs, and biochemical application.
Repeatable: No
♦

CHE 450 Advanced Chemical Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 340 and junior standing.
Taught: Variable, check with department
Investigation of sample preparation, surface science, microfabrication and advanced electrochemical techniques required for advanced chemical analyses.
Repeatable: No
♦

CHE 460 Molecular Spectroscopy (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 311, C- or better in CHE 350, C- or better in CHE 350L.
Co-requisite(s): CHE 460L.
Taught: Variable, check with department
Principles of molecular spectroscopy, including group theory. Modern spectroscopic techniques and their applications.
Repeatable: No
♦

CHE 460L Molecular Spectroscopy Laboratory (2 credits)
Hours: 0 classroom + 6 lab/studio
Co-requisite(s): CHE 460.
Taught: Variable, check with department
Experiments using modern molecular spectroscopic techniques.
Repeatable: No

CHE 482 Biochemistry I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 311.
Taught: Fall only
Introduction to the chemistry of the molecules of life: carbohydrates, proteins, lipids; protein structure and function; enzyme mechanism; membrane structure and function; introduction to metabolism.
Repeatable: No
♦

CHE 482L Biochemistry I Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite OR Co-requisite: CHE 482 and CHE 391W or BIO 291W.
Taught: Fall only
Introduction to basic laboratory techniques and concepts in biochemistry, such as the preparation of buffers, spectroscopic determination of protein concentration, gel electrophoresis, column chromatography, and enzyme kinetics.
Repeatable: No
♦

CHE 483 Biochemistry II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 482.
Taught: Spring only
Metabolism, biosynthesis of cell components, nucleic acid replication, protein synthesis, DNA recombination, hormone action.
Repeatable: No
♦

CHE 483L Biochemistry II Laboratory (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): CHE 482L.
Co-requisite(s): CHE 483.
Taught: Spring only
Application of modern biochemical techniques in a research setting. Students will conduct experiments on various topics from defined categories, prepare a detailed plan using the scientific literature, perform the experiments independently, and present their findings in a formal report and poster presentation.
Repeatable: No
♦

CHE 492 Research: Chemistry (1-3 credits)
Hours: 0 classroom + 6-18 lab/studio
Prerequisite(s): Consent of instructor.
Special project or original research directed by a member of the chemistry faculty. Most projects require at least two semesters of work. Upon agreement of student and instructor, some of the work may be completed outside of the normal semester calendar. Repeatable for a combined maximum of 12 semester hours. Does not apply toward a minor in chemistry.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

CHE 505 The History of Chemistry (2-3 credits)
Hours: 2-3 classroom + 0 lab/studio
Prerequisite(s): CHE 310.
Taught: Variable, check with department
Survey of chemistry's significance in ancient and modern times. Investigation of key individuals and concepts in chemistry of the past and present.
Repeatable: No

♦

CHE 511 Natural and Medicinal Product Synthesis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 311.
Taught: Variable, check with department
Analysis and design of complex syntheses, including total synthesis of natural products; stereochemical aspects of synthesis; asymmetric synthesis; spectroscopy in structure elucidation.
Repeatable: No

♦

CHE 512 Physical Organic Chemistry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 360 and a C- or better in CHE 311.
Taught: Spring only-odd yrs
Current topics in spectroscopy, reaction mechanisms, and structure function correlations.
Repeatable: No

♦

CHE 560 Quantum Mechanics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CHE 361 or PHY 361.
Taught: Variable, check with department
Principles of quantum mechanics, the hydrogen atom, variational methods, and simple perturbation theory.
Repeatable: No

♦

CHE 594 Topics in Chemistry (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Discussion of topics in analytical, environmental, inorganic, nuclear, organic, and physical chemistry; chemistry-related topics: laboratory experience with operation and application of instruments and the computer. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

CHINESE

CHI 101 Elementary Chinese - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Fundamentals; introduction to Chinese culture; basic skills in conversation, pronunciation, reading, and writing in pinyin (Romanized Chinese) and ideograms traditional and simplified.
Repeatable: No
General Education Credit: Culture and Creativity

CHI 102 Elementary Chinese II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHI 101 or equivalent.
Taught: Spring only
Continuation of CHI 101; additional practice in conversation, pronunciation, reading, writing, and use of ideograms.
Repeatable: No

♦

CHI 199 Independent Study: Chinese (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Practice in Chinese language
Repeatable: Yes
If Repeatable, Max. Credits: 6

CHI 201 Intermediate Chinese I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHI 102 or equivalent.
Taught: Variable, check with department
Review and extension of basic language skills learned in CHI 101 and CHI 102; reading and discussion of cultural, linguistic, and literary subject.
Repeatable: No

♦

CHI 202 Intermediate Chinese II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHI 201 or equivalent.
Taught: Variable, check with department
Continuation of grammar review and enhancement of language skills begun in CHI 201; consideration of cultural, linguistic, and literary subjects.
Repeatable: No

♦

CHI 299 Independent Study: Chinese (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): CHI 101 and CHI 102.
Taught: Fall and spring
Intermediate practice in Chinese Language.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CHI 380 Topics in Advanced Chinese (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHI 202 or consent of instructor.
Taught: Variable, check with department
Advanced study of Chinese language, literature, and culture. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

CHI 499 Independent Study: Chinese (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Readings in language, literature and culture.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

CHI 520 Readings in Chinese (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHI 380 or equivalent.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

CINEMA STUDIES

CIN 200 Introduction to Cinema Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Basic elements of movie form, narrative structure, and style; concepts of genre; strategies of analyzing and writing about cinema.
Repeatable: No

CIN 299 Independent Study (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Directed study.
Repeatable: Yes
If Repeatable, Max. Credits: 9

CIN 301 Survey of World Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 , ENG 104 , HNR 101 or equivalent
Taught: Spring only
Origins and development of cinema as an international medium of expression. Relation of form and content to specific global cultures and contexts.
Repeatable: No

CIN 302 Survey of US Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: ENG 101 , ENG 104 , HNR 101 or equivalent
Taught: Fall only
Origins and development of cinema as a multicultural medium of expression in the U.S. Relation of form and content to historical, economic, and cultural development in the U.S.
Repeatable: No

CIN 492 Directed Research and Creative Activity (0-3 credits)
Hours: (0-3 classroom + 0 lab/studio)
Prerequisite(s): Consent of instructor
Taught: Variable, check with department
Individual student research or creative project with faculty mentorship.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

CIN 494 Studies in Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIN 200 or CIN 301 or CIN 302.
Taught: Variable, check with department
Advanced study of a particular genre, national cinema, director, or other topic in cinema studies. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

COLLEGE OF ARTS AND SCIENCES

CAS 101 Cultivating Academic Success (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Permit required by the College of Arts & Sciences Advising Center.
Taught: Variable, check with department
This course is designed for students to cultivate academic skills that will assist them in becoming successful in the College of Arts & Sciences. It will provide information on topics with which many students constantly struggle such as time management, study and test taking strategies, money management and grade management.
Repeatable: No

♦

COMMUNICATION

COM 500 Communication Proseminar (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the Communication Graduate Program.
Taught: Fall only
Designed to introduce students to the communication discipline and graduate studies at NKU. Students explore graduate-level analysis, writing, and thought. Inquiry and discussion pivot around key departmental areas of scholarly emphasis, emerging fields of Informatics, NKU faculty research programs.
Repeatable: No

♦

COM 520 Relational Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check w/ department
Relationship-centered understandings of interpersonal communication. The role of communication in developing, sustaining, and terminating social and personal relationships. Class may explore relational theories, concepts, and self-application.
Repeatable: No

COM 560 Rhetorical Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check w/ department
Advanced seminar in the history, theory, methods and practice of rhetorical criticism.
Repeatable: No

COM 571 Critical Ethnography (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Hands-on research seminar examining and practicing ethnographic research methods used to empower communities. Students travel to another culture to enact ethnographic research designs. Digital ethnography, service learning, field study, educational, and interactive research explorations.
Repeatable: No

COM 575 Intercultural Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Students must have a 3.0+ GPA to enroll in the course.
Taught: Variable, check with department
The examination of advanced cross-cultural, intercultural, multicultural, and international theory and research in relation to communication perceptions and practices.
Repeatable: No
♦

COM 580 Sexuality and Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Exploration of topics, concepts, and theories related to communication and human sexuality. Relationships, sexual literacy, sexual identities, sexual practices, sex representations, and social control of sexuality.
Repeatable: No

COM 594 Intermediate Topics in Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Special topics course with readings and writings at the intermediate level. Course varies by instructor and section. Students must have a 3.0 or higher GPA to enroll in this course.
Repeatable: No

COMMUNICATION STUDIES

CMST 101 Public Speaking - OC (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Development of understanding of the oral communication process; aid in improving oral communication skills; idea and message development; effective delivery of ideas; Offered every semester. A prerequisite to all other CMST courses.
Repeatable: No
General Education Credit: Oral Communication

CMST 110 Introduction to Communication Studies - OC (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Introduction to various theoretical perspectives for understanding human communication. CMST110 has been designed to introduce students to the study of human communication from a wide range of viewpoints. The course introduces foundational principles of communication theory: general principles and the elements of speech communication, perception, language and verbal symbols, nonverbal activities, and listening. Next, the course applies these principles to the various levels of communicating, i.e. interpersonal, small group, organizational, and intercultural. The course also covers communication and persuasion in public forums such as public speaking and mediated contexts.
Repeatable: No
General Education Credit: Oral Communication

CMST 220 Interpersonal Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Theories and skills of dyadic interaction in professional and personal contexts; perception, self-concept, nonverbal communication, listening, assertiveness, relationships, conflict management and problem solving.
Repeatable: No
♦

CMST 230 Small Group Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Theories and activities that increase understanding and skills of communication in groups; decision-making, problem-solving, leadership, listening, cohesiveness, climate-setting, conflict management, groupthink, and systems theory.
Repeatable: No
♦

CMST 300 Research Methods in Communication Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Course provides an overview of the concepts, methods, and tools by which research in Communication Studies is designed, conducted, interpreted, and critically evaluated. The course will specifically examine quantitative and qualitative research procedures, research question and hypothesis generation and testing, measurement, sampling, research design, and data analysis techniques.
Repeatable: No
♦

CMST 303 Organizational Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Organizational communication theories, models, and processes with practical application of these principles in organizational

communication speaking exercises; management and leadership communication skills.
Repeatable: No

♦

CMST 310 Argumentation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Theories of argument; practical applications of argument, in numerous contexts, including academic policy debate.
Repeatable: No

♦

CMST 317 Gender and Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
This course will focus on principles, concepts and characteristics defining gendered communication. It is designed to enhance your knowledge and understanding of the elements key to successful communication across genders, whether they are business, personal, social, familial or intimate. Also, the role of socialization in gendered development will be explored.
Repeatable: No

♦

CMST 320 Advanced Interpersonal Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 220.
Taught: Variable, check with department
Theories, research, and issues relevant to human interaction and interpersonal relationships.
Repeatable: No

♦

CMST 330 Political Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
Communication strategies and tactics employed by candidates seeking public office; political audiences, campaign phases, political debates, political language, advertising campaigns, media coverage, and campaign speeches.
Repeatable: No

♦

CMST 333 Lifespan Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
This course overviews issues related to communication and aging across the lifespan. Topics include attitudes about aging, intergenerational and intragenerational communication, enhancing communication with older adults, social construction of the aging process, older adults' media use, effects of mass media on older adults, health communication and the older adult population, as well as issues related to communication and technology among older adults.
Repeatable: No

♦

CMST 335 Communication and Conflict (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Spring only-even years
Theories and strategies of communication will be examined to help explain how people behave in conflict and suggest means of improving communication in order to facilitate a more collaborative process and the production of win-win outcomes.
Repeatable: No

♦

CMST 340 Strategies of Persuasion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Persuasion theory practice, and ethics in preparing and presenting persuasive messages and campaigns.
Repeatable: No

♦

CMST 345 Family Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall only-odd years
Course explores the communication processes associated with families. Students will examine theories of communication and family life cycles, different family forms, understudied families, power and conflict in families, and communication and stress in families.
Repeatable: No

♦

CMST 355 Culture and Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Theory, criticism, and practice of culture and communication, individual experience in communicating interculturally, and strategies in cross- cultural communication situations.
Repeatable: No

♦

CMST 360 Interviewing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall only-even years
Theory and principles related to a variety of interviewing settings; employment, information, and advising; role of interviewer and interviewee; use of role playing; outside class exercises such as real interviews and written reports.
Repeatable: No

♦

CMST 370 Advanced Public Speaking (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring

Organization, style and delivery of speeches for social occasions, non-classroom settings, and complex setting; speech writing.
Repeatable: No

♦

CMST 381 Computer-Mediated Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
This seminar examines communication occurring between two or more individual people who interact and/or influence each other via the internet or network connection using social software. Topics include identity, social information processing, online romance, social network sites, Internet communities, web blogs, wikis, and workplace considerations.
Repeatable: No

♦

CMST 394 Topics in Communication Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Prerequisite OR Co-requisite: Sophomore standing and CMST 101 OR CMST 110 OR instructor permission
Taught: Variable, check with department
Focused study of a specific and significant topic from a communication orientation. Topics vary from semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CMST 396 Internship: Communication (3 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): Written consent of supervising faculty member; junior or senior standing; and a GPA of at least 2.75.
Taught: Fall, spring, and summer
Selected placement of qualified students in off-campus communication studies related professions; experience in corporate training, speech writing, interviewing, sales, and groups, communication.
Repeatable: No
Available High Impact Practices: internship

♦

CMST 403 Health Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
This course is designed to provide students with knowledge related to the field of heath communication. Specifically, the course overviews major theories used in health communication research and intervention planning, as well as contemporary issues including patient-provider communication, cultural beliefs and health, influence of mass media on health beliefs and behaviors, and the impact of interpersonal relationships on health. Students also learn about the evolution of the U.S. healthcare system, and the role of communication in improving healthcare in the country. Social inequities in health and access to healthcare are also addressed in the course. Throughout the semester, students work in small groups to develop an intervention designed to address a health issue in the community.
Repeatable: No

♦

CMST 405 Sex and Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 *or CMST 110 and junior standing*
Taught: Spring only-odd years
Sex and Communication explores how communication influences various relationships (e.g., hooking up, marriage) and contexts (e.g., coming out, health) in regards to sex and intimacy. This course will introduce students to the complexities of communication about sex in both sexual and nonsexual relationships.
Repeatable: No

♦

CMST 410 Rhetorical Theory and Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Variable, check with department
Adaptation of classic and contemporary theories of rhetoric to modern practice of rhetorical criticism.
Repeatable: No

♦

CMST 430 Communication Theories (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110.
Taught: Fall and spring
Theories of interpersonal, group, public, and mass communication; historical developments, paradigms, and research that shape communication theory construction.
Repeatable: No

♦

CMST 440 Communication Training and Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110 and junior standing.
Taught: Variable, check with department
Instruction in design and delivery of communication training programs for specific business contexts; adult learning principles, proposal development, needs assessments, presentation skills, audio/visual aids, and evaluation procedures.
Repeatable: No

♦

CMST 492 Directed Research (0-6 credits)
Hours: 0 classroom + 0-6 lab/studio
Prerequisite(s): Junior standing or permission of the instructor.
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CMST 495 Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

CMST 499 Independent Study (1-3 credits)
Hours: 0 classroom + 4 -12 lab/studio
Prerequisite(s): Junior or senior majoring or minoring in Communication Studies; a GPA of at least 2.50 or consent of instructor; approved independent study proposal.
Taught: Variable, check with department
Individually supervised work involving reading, research. Topic is selected before registration in conference with instructor. Junior standing and consent of instructor; approved independent study proposal.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

COMPUTER INFORMATION TECHNOLOGY

CIT 130 Information Technology Fundamentals (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): P in MAT 101 or placement, and C- or better in ENG 101R or placement.
Taught: Fall and spring
Introduction to the organization of computers, operating systems, and networks; comparison of common operating systems; hands-on experience in PC construction and configuration; data representation; overview of the information technology industry and its societal context.
Repeatable: No

♦

CIT 171 Introduction to Linux (1 Credit)
Hours: 1 classroom + 0 lab/studio hours
Prerequisite(s): C- or better in *ENG 101* or *ENG 101R* or placement.
Taught: Fall and spring
Students learn how to navigate and perform basic tasks in the Linux operating system command line interface through hands-on experience.
Repeatable: No

CIT 199 Introductory Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Introductory independent study in some computer information technology topic. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 247 Networking Fundamentals (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 130, CIT 171 and INF 284.
Taught: Fall and spring
Data link control, communications network techniques, network protocols (IP, TCP, UDP); planning and deploying a LAN; wireless networking; routing; security; introduction to Cisco IOS.
Repeatable: No

♦

CIT 271 Windows Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in INF 120 and either CIT 247 or INF 284.
Taught: Fall and spring
Organization of the Windows operating system; installation, configuration and recovery; scripting using batch files; user management; basic server administration and directory services.
Repeatable: No

♦

CIT 292 Introductory Research Experience in CIT (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Variable, check with department
Introduction to research in computer information technology by participation in a special project or research directed by a faculty member. Course intended for students interested in computer information technology research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

CIT 299 Independent Study (3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Directed study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 305 Peer Teaching Assistant Training (3 credit hours)
Hours: 3 credit hours / 0 lab+studio hours
Prerequisite(s): B or better in the class the student will serve as a TA for and permission of department
Taught: Fall and spring
Pedagogical training for majors as peer teaching assistant in the discipline, and practicum to apply training as teaching assistant in assigned Computer Science department class; practicum work may

include attending meetings of assigned class, monitoring discussion lists, holding office hours, and supporting assigned class instructor in teaching plus grading activities.
Repeatable: No

CIT 306 CIT Department Peer Mentoring (0-2 credit hours)
Hours: 0-2 credit hour / 0 lab+studio hours
Prerequisite(s): Permission of Department
Prerequisite OR Co-requisite: CSC/CIT/DSC/CYS/ASE 305
Taught: Fall and spring
Experience in performing teaching assistant duties for select undergraduate course. Student will hold two office hours per week (online for online classes), meet with instructor weekly, participate in discussion board threads of online courses (150 minutes per week) and hold exam review sessions.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 2 hours

CIT 371 Unix Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in INF 120, and C- or better in both CIT 130 and CIT 171, and C- or better in either CIT 247 or INF 284.

Taught: Fall and spring
Advanced usage and basic administration of Unix/Linux systems, including management of files, users and processes, tools for editing and pattern matching, shell scripting, and software installation.
Repeatable: No
♦

CIT 381 Raspberry PI Based IoT (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in *INF 120*
Taught: Spring only
Use of the Raspberry PI and Python to monitor, measure and control devices in the physical world. Make use of the Internet to obtain additional data for better local decisions or transport of data from the device.
Repeatable: No

CIT 383 Scripting I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in INF 120, and either CIT 271 or CIT 371.
Taught: Fall and spring
Programming in a dynamically typed scripting language, including interfacing to operating system and network services and automation of common system administration tasks.
Repeatable: No
♦

CIT 392 Intermediate Research Experience in CIT (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and permission of department
Taught: Variable, check with department
Undergraduate research in computer information technology directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the computer information technology major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 394 Intermediate Topics: Computer Information Technology (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in Computer Information Technology.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CIT 396 Computer Information Technology Practicum (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): CIT major, junior standing and approval of instructor.
Taught: Variable, check with department
Students work on information technology projects and make use of project management techniques that allow them to apply academic knowledge to real world situations. Up to 3 hours can count toward the computer information technology major.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

CIT 399 Independent Study (3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Directed study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 436 Web Server Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 371.
Taught: Fall and spring
Web server administration concepts; installing and configuring a web server; proxy server; name resolution; web server security and maintenance; server-side technologies and tools; monitoring and analyzing the web environment.
Repeatable: No
♦

CIT 438 Cloud Computing (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 371.
Taught: Fall and spring
An introduction to the concepts and technologies of cloud

computing, including designing, operating, upgrading, and securing cloud systems. Concepts and technologies covered include server and network virtualization, load balancers, caches, service delivery, conguration management, monitoring, and capacity planning.
Repeatable: No

♦

CIT 447 Network Design/Troubleshooting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 247.
Taught: Fall and spring
Network and transport protocols; switch and router configuration; network topologies, network design, and routing; VLANs; capacity planning and redundancy; routing protocols; wide-area networks; layer 2 and layer 3 troubleshooting; IPv4 and IPv6; network management and security.
Repeatable: No

♦

CIT 451 Advanced Windows System Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 271.
Taught: Variable, check with department
Active directory configuration, network infrastructure configuration, application infrastructure configuration; specific topics include Active Directory and its security, Domain Name System, DHCP infrastructure, routing, remote access, advanced firewall and network access protection, IIS security, FTP, SMTP, Media Server.
Repeatable: No

♦

CIT 465 Storage Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 371.
Taught: Variable, check with department
This course covers information storage and management, storage system environment, disks, RAID, logical volume management, storage networking fundamentals, direct attached storage, storage area networks, network attached storage, content addressed storage, storage virtualization, data backup and recovery.
Repeatable: No

♦

CIT 470 Advanced Network and System Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 271, CIT 371 and CIT 383.
Taught: Fall and spring
Planning, designing, implementing and maintaining networked systems in a team environment. Systems to be implemented include directory services, automation, backup and recovery, security and web services. Project teams will implement networked solutions for an organization, document and present their solution.
Repeatable: No

♦

CIT 472 Database Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in INF 282, CIT 271 and either CSC 260 or CIT 383.
Taught: Fall and spring
Database administration concepts; procedural extensions to SQL; installing and configuring a database server; creating and configuring database instances; user management and security; backup and monitoring activities.
Repeatable: No

♦

CIT 483 Scripting II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 371 and CIT 383.
Taught: Fall only
Advanced programming in a dynamically typed language, including techniques such as passing blocks, dynamic dispatch, and domain specific languages. The class will apply these techniques to IT applications, including interfacing to network services and parsing complex data formats like HTML and XML.
Repeatable: No

♦

CIT 492 Advanced Research Experience in CIT (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Junior standing and consent of department
Taught: Variable, check with department
Undergraduate research in computer information technology directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the computer information technology major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 494 Advanced Topics: Computer Information Technology (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various advanced topics in Computer Information Technology.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CIT 499 Advanced Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 500 Information Technology Fundamentals (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of MSCIT director.
Taught: Variable, check with department
Fundamentals of UNIX system administration, including use of the

shell, users and groups, cron. Computer networking basics, including networking fundamentals, LAN switching, and IP routing.
Repeatable: No

♦

CIT 501 Scripting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Permission of MSCIT director.
Taught: Variable, check with department
Introduction to programming in a scripting language, including applications to both system administration and web development.
Repeatable: No

♦

CIT 530 Computer Forensics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 or consent of MSCIT director.
Taught: Fall and spring
Computer and network forensics principles; incident response process; forensic duplication and analysis; reconstruction of computer activities; network-based evidence for intrusions; forensics tools.
Repeatable: No

♦

CIT 536 Web Server Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500.
Prerequisite OR Co-requisite: CIT 501 or consent of MSCIT director.
Taught: Variable, check with department
Web server administration concepts; installing and configuring a web server; proxy server; name resolution; web server security and maintenance; server-side technologies and tools; monitoring and analyzing the web environment.
Repeatable: No

♦

CIT 538 Cloud Computing (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 and CIT 501 or consent of MSCIT director.
Taught: Variable-chck w/dept
An introduction to the concepts and technologies of cloud computing, including designing, operating, upgrading, and securing cloud systems. Concepts and technologies covered include server and network virtualization, load balancers, caches, service delivery, conguration management, monitoring, and capacity planning.
Repeatable: No

♦

CIT 547 Network Design/Troubleshooting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 or consent of MSCIT director.
Taught: Variable, check with department
Network and transport protocols; switch and router configuration; network topologies, network design, and routing; VLANs; capacity planning and redundancy; routing protocols; wide-area networks; layer 2 and layer 3 troubleshooting; IPv4 and IPv6; network management and security.
Repeatable: No

♦

CIT 551 Advanced Windows System Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 500.
Taught: Variable, check with department
Active directory configuration, network infrastructure configuration, application infrastructure configuration; specific topics include Active Directory and its security, Domain Name System, DHCP infrastructure, routing, remote access, advanced firewall and network access protection, IIS security, FTP, SMTP, Media Server.
Repeatable: No

♦

CIT 565 Storage Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 547 or consent of MSCIT director.
Taught: Variable, check with department
This course covers information storage and management, storage system environment, disks, RAID, logical volume management, storage networking fundamentals, direct attached storage, storage area networks, network attached storage, content addressed storage, storage virtualization, data backup and recovery.
Repeatable: No

♦

CIT 570 Advanced Network and System Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 501 and CIT 547 or consent of MSCIT director.
Taught: Variable, check with department
Administering networks of computer systems as a team; user account management and LDAP; network file systems; e-mail servers; automated installs; help desk software and management; and data centers.
Repeatable: No

♦

CIT 572 Database Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500.
Prerequisite OR Co-requisite: CIT 501 or consent of MSCIT director.
Taught: Variable, check with department
Database administration concepts; procedural extensions to SQL; installing and configuring a database server; creating and configuring database instances; user management and security; backup and monitoring activities.
Repeatable: No

♦

CIT 580 Securing Computer Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 or consent of MSCIT director.
Taught: Fall and spring
An introduction to the concepts and technologies of computer security, with a focus on the practical aspects of securing computers, including common security threats and computer crime, authentication, cryptography, malware, operating systems security, and network security.

Repeatable: No

♦

CIT 583 Scripting II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 and CIT 501 or consent of the MSCIT director.
Taught: Fall only
Advanced programming in a dynamically typed language, including techniques such as passing blocks, dynamic dispatch, and domain specific languages. The class will apply these techniques to IT applications, including interfacing to network services and parsing complex data formats like HTML and XML.
Repeatable: No

♦

CIT 584 Network Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CIT 500 or consent of MSCIT director.
Taught: Variable, check with department
In-depth study of firewalls and intrusion detection/prevention systems; incident response; security protocols and VPNs; network server security; viruses and worms; wireless security; network security architecture and policy development.
Repeatable: No

♦

CIT 594 Intermediate Graduate Topics: CIT (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various intermediate graduate topics in Computer Information Technology. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CIT 596 CIT Practicum (0-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of MSCIT director.
Taught: Variable, check with department
Students will work on information technology projects and make use of project management techniques that allow them to apply academic knowledge to real world situations. Course does not count as a regular elective in the MSCIT program.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CIT 599 Intermediate Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Regular admission to MSCIT program and consent of instructor.
Taught: Variable, check with department
Intermediate Independent Study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CYS 484 Network Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Grade of C- or better in INF 284 and CYS 285.
Taught: Fall and spring
In-depth study of firewalls and intrusion detection/prevention systems; incident response; security protocols and VPNs; network server security; viruses and worms; wireless security; network security architecture and policy development.
Repeatable: No

♦

COMPUTER SCIENCE

CSC 199 Introductory Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Introductory independent study in some computer science topic. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 260 Object-Oriented Programming I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 103 (or higher) and one of INF 110, INF 120, CSC 270, or placement.
Taught: Fall and spring
Elementary object-oriented programming concepts and practice: types, decisions, loops, methods, arrays, classes; design and problem-solving. An intensive introduction intended for students with programming experience.
Repeatable: No

♦

CSC 260L Object-Oriented Programming Laboratory (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): CSC 260.
Taught: Fall and spring
Laboratory to accompany CSC 260 in which students gain hands-on experience in programming and using programming tools such as debuggers.
Repeatable: No

CSC 267 Programming For Engineering Applications 3 credit hours
Hours: 3 credit hour + o lab/studio hours
Prerequisite(s): None although *INF 120* is preferred
Taught: Fall and summer
An introduction to programming using the C programming language (data types, expressions, control flow, decisions, functions, routines, numeric operations, pointers, and algorithms, etc.); Engineering programming using Integrated Development Environment -Visual Studio 2017 or other IDEs; With a concentration of case studies, projects, and problems as applied to

Engineering Technology applications.
Repeatable: No

CSC 270 Mathematics Software Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 128 or MAT 129.
Taught: Fall and spring
Programming and problem solving with a high-level mathematical software package; variables, control, modularity, processing of lists and vectors; recursion; visualization of functions; basic numerical and symbolic computation; simulation.
Repeatable: No
♦

CSC 292 Introductory Research Experience in CSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Variable, check with department
Introduction to research in computer science by participation in a special project or research directed by a faculty member. Course intended for students interested in computer science research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

CSC 299 Directed Readings/Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 305 Peer Teaching Assistant Training (3 credit hours)
Hours: 3 credit hour / 0 lab+studio hours
Prerequisite(s): B or better in the class the student will serve as a TA for and permission of department
Taught: Fall and spring
Pedagogical training for majors as peer teaching assistant in the discipline, and practicum to apply training as teaching assistant in assigned Computer Science department class; practicum work may include attending meetings of assigned class, monitoring discussion lists, holding office hours, and supporting assigned class instructor in teaching plus grading activities.
Repeatable: No

CSC 306 CSC Department Peer Mentoring (0-2 credit hours)
Hours: 0-2 credit hours / 0 lab+studio hours
Prerequisite(s): Permission of Department
Prerequisite OR Co-requisite: CSC/CIT/DSC/CYS/ASE 305
Taught: Fall and spring
Experience in performing teaching assistant duties for select undergraduate course. Student will hold two office hours per week (online for online classes), meet with instructor weekly, participate in discussion board threads of online courses (150 minutes per week) and hold exam review sessions.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 2 hours

CSC 325 Introduction to Machine Learning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in *STA 205* (or *STA 205R*) or STA 250 or *MAT 103* or higher, and C- or better in *INF 120* , or consent of instructor.
Taught: Spring only
Machine learning algorithms for supervised and unsupervised learning including neural networks, support vector machines, Bayesian probabilities, ensemble learning, random forests, hidden Markov models, deep learning techniques; projects use tools with some Python programming. Intended for non-CSC/DSC majors, not open to students who have completed CSC 425 or *DSC 411* .
Repeatable: No
♦

CSC 350 Database Programming (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): C- or better in CSC 360.
Taught: Fall and spring
Database concepts and practice essential for the database programmer: relational databases; Structured Query Language; entity-relationship model; ER to relational; relational algebra; design and implementation of relational database applications.
Repeatable: No
♦

CSC 360 Object-Oriented Programming II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 260 and B- or better in MAT 119 or C- or better in MAT 128 or C- or better in MAT 129 or placement.
Taught: Fall and spring
Intermediate object-oriented programming concepts and practice: inheritance, basic graphical user interface elements; introduction to recursion; implementation of linked lists; use of basic container types.
Repeatable: No
♦

CSC 362 Computer Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 360.
Taught: Fall and spring
Introduction to instruction sets, registers, addressing modes and assembly language; binary representations and bit manipulations; computer organization concepts. Introduction to ANSI C and C programming
Repeatable: No
♦

CSC 364 Data Structures and Algorithms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 360.
Taught: Fall and spring
Analysis and efficient implementation of container types such as stacks, queues, hash tables, search trees, and graphs; sorting

algorithms.
Repeatable: No

♦

CSC 392 Intermediate Research Experience in CSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and consent of the department
Taught: Variable, check with department
Undergraduate research in computer science directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the computer science major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 394 Intermediate Topics: Computer Science (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in computer science.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CSC 396 Computer Science Practicum (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): CSC major, junior standing and consent of department.
Taught: Variable, check with department
Students work on real-world software engineering projects whether through a work environment or with guidance of a computer science faculty member. Up to 3 hours can count toward the computer science major.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

CSC 399 Intermediate Directed Readings and Independent Study: Computer Science (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 402 Advanced Programming Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362 and CSC 364.
Taught: Fall and spring
High-performance OO and generic programming in C++; concurrent and distributed programming; STL; multi-paradigm design patterns; extensive practice with sophisticated programming projects.
Repeatable: No

♦

CSC 407 Concepts of Programming Languages (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362.
Taught: Variable, check with department
History of high-level languages; grammars and the compilation process; axiomatic semantics; language design and implementation issues; procedural, object-oriented, functional, and logic programming paradigms; case studies in important contemporary languages.
Repeatable: No

♦

CSC 415 Mobile App Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362 or CSC 364.
Taught: Variable, check with department
Introduces, explores and reinforces mobile app development languages, environment and software development kits; examination of mobile applications and data sources; leveraging GUIs; examination of mobile device onboard sensors and hardware.
Repeatable: No

♦

CSC 425 Artificial Intelligence (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 364 and C- or better in STA 205, STA 205R, or STA 250.
Taught: Fall
Basic principles, theories, techniques and applications of artificial intelligence offered as breadth-based introduction to artificial intelligence. Topics include state space search, heuristics, knowledge representation and reasoning, machine learning including decision trees, neural networks, support vector machines. Applications areas include computer vision and natural language processing.
Repeatable: No

♦

CSC 426 Deep Learning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 227 and CSC 364 and junior standing or higher
Taught: Spring only-even years
An introduction to neural networks and deep learning covering concepts and theories of multi-layer neural networks, back-propagation, stochastic gradient descent, convolutional neural networks, recurrent neural networks and other deep learning-based algorithms. Students will apply what they learn to building neural networks using Python and TensorFlow
Repeatable: No

♦

CSC 433 Computer Networks (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362 and one of INF 284 or CIT 247.
Taught: Variable, check with department
Circuit/packet switching networks, TCP/IP model, multimedia networks, socket programming, network protocol analysis and

development.
Repeatable: No
♦

CSC 439 Software Testing and Maintenance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 364 and senior standing.
Taught: Fall and spring
Techniques in computer software implementation, testing, configuration management and maintenance. Testing and maintenance of a large-scale software project by students working in teams.
Repeatable: No
♦

CSC 440 Software Engineering (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 402, CSC 439 and senior standing.
Taught: Fall and spring
Techniques in computer software specification, design, implementation, testing, documentation, and maintenance; development of a large-scale software project by students working in teams.
Repeatable: No
♦

CSC 450 Database Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 350 and CSC 364.
Taught: Fall only - odd years
Database systems, theory and implementation: implementation of various parts of a relational database management system; relational algebra and other query languages; normalization theory; indexing; evaluation of relational operators; relational query optimization; concurrency control; crash recovery.
Repeatable: No
♦

CSC 460 Operating Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362 and CSC 364.
Taught: Spring only
Internal structures and algorithms for file systems, I/O, memory management and process scheduling; examples drawn from contemporary operating systems such as UNIX and Windows NT.
Repeatable: No
♦

CSC 462 Computer Architecture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362.
Taught: Variable, check with department
Implementation of control unit and arithmetic-logic unit, microprocessor organization and design, main memory and cache organizations, I/O subsystem; RISC vs. CISC instruction sets, pipelining, parallel processing; mechanisms for evaluating computer architectures and microprocessor performance.
Repeatable: No
♦

CSC 464 Design and Analysis of Algorithms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 364 and MAT 385.
Taught: Variable, check with department
Proofs of time and space bounds on important algorithms; advanced algorithms on graphs, sequences and sets; divide-and-conquer and dynamic programming; randomized algorithms; parallel algorithms.
Repeatable: No
♦

CSC 480 Computer Graphics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 364 and MAT 234.
Taught: Variable, check with department
Real-time graphics programming using a contemporary 3D API; affine and projective transformations; illumination and shading algorithms; representation and rendering of meshes; 3D picking; clipping and frame-buffer techniques; object-oriented scene graphics.
Repeatable: No
♦

CSC 482 Computer Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 362.
Taught: Fall
Theory and algorithms of computer security, including security policies, access control, secure programming, identity and authentication, information flow, and information assurance techniques.
Repeatable: No
♦

CSC 483 Cryptology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 234 or CSC 362 or CSC 364.
Taught: Variable, check with department
Cryptology of classical ciphers, mathematical foundations of cryptology, Hill cipher, DES and AES, cryptography of public key cryptosystems.
Repeatable: No
♦

CSC 485 Theory of Computation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 385.
Taught: Fall only
Regular and context-free grammars; Turing machines; recursive and recursively enumerable languages; uncomputability; the Chomsky hierarchy; complexity classes such as P, NP, and NP-complete.
Repeatable: No
♦

CSC 491 Comprehensive Examination (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Senior standing. Recommended that students take this course during their last semester.
Taught: Variable, check w/ department

National computer science examination and departmental survey. Note that this is a pass/fail course; students will only be graded on whether they took the exam and submitted the survey.
Repeatable: No

♦

CSC 492 Advanced Research Experience in CSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Junior standing and consent of department
Taught: Variable, check with department
Undergraduate research in computer science directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the computer science major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 493 Research Seminar in Computer Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 385 and CSC 364, and consent of instructor.
Taught: Variable, check with department
Examination and presentation of contemporary research work in computer science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 494 Advanced Topics: Computer Science (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various advanced topics in computer science.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CSC 499 Advanced Directed Readings/Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CSC 500 Object-Oriented Programming (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDG 602 or consent of MSCS program director.
Taught: Variable-chck w/dept
Basic and intermediate object-oriented programming concepts and practice. Objects, classes, inheritance, polymorphism. Recursion. Exception handling. Use of container types. Graphical user interfaces.
Repeatable: No
♦

CSC 501 Data Structures and Computer Systems (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): CSC 500 or consent of MSCS program director.
Taught: Variable, check with department
Analysis and efficient implementation of container types such as stacks, queues, hash tables and search trees ; sorting algorithms; computer organization concepts including binary representations and arithmetic, digital circuits, the CPU, memory and I/O system.
Repeatable: No
♦

CSC 502 Advanced Programming Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Variable, check with department
High-performance OO and generic programming in C++; concurrent and distributed programming; STL; multi-paradigm design patterns; extensive practice with sophisticated programming projects.
Repeatable: No
♦

CSC 507 Concepts of Programming Languages (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Variable, check with department
History of high-level languages; grammars and the compilation process; axiomatic semantics; language design and implementation issues; procedural, object-oriented, functional, and logic programming paradigms; case studies in important contemporary languages.
Repeatable: No
♦

CSC 515 Android Mobile App Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Spring only
Introduces, explores and reinforces the Android app development language, environment and software development kit; examination of mobile applications and data sources; leveraging GUIs; examination of Android onboard sensors and hardware.
Repeatable: No
♦

CSC 516 iOS Mobile App Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Spring only
Introduces, explores and reinforces the iOS app development language for iPhones, environment and software development kit; examination of mobile applications and data sources; leveraging GUIs; examination of iPhone onboard sensors and hardware.
Repeatable: No
♦

CSC 525 Artificial Intelligence (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Spring

Concepts and techniques of artificial intelligence; heuristic search, expert systems, AI languages, natural language processing, and elementary neural networks.
Repeatable: No

♦

CSC 533 Computer Networks (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Variable, check with department
Circuit/packet switching networks, TCP/IP model, multimedia networks, socket programming, network protocol analysis and development.
Repeatable: No

♦

CSC 539 Software Testing and Maintenance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Fall only
Techniques in computer software implementation, testing, configuration management and maintenance. Testing and maintenance of a large-scale software project by students working in teams.
Repeatable: No

♦

CSC 540 Software Engineering (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 502 or consent of MSCS program director.
Taught: Spring only
Techniques in computer software specification, design, implementation, testing, documentation, and maintenance; development of large-scale project by students working in teams.
Repeatable: No

♦

CSC 556 Advanced Web Application Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 500 or consent of MSCS program director.
Taught: Variable, check with department
Advanced technologies for developing web applications for business and industry. Focus on the design and development of scalable, robust, and extensible web applications; different frameworks for developing web applications and the software build process. Web component design and programming, data access, product packaging, and application deployment.
Repeatable: No

♦

CSC 560 Operating Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Spring only
Internal structures and algorithms for file systems, I/O memory management and process scheduling; examples drawn from contemporary operating systems such as Unix and Windows.
Repeatable: No

♦

CSC 562 Computer Architecture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 or consent of MSCS program director.
Taught: Variable, check with department
Implementation of control unit and arithmetic-logic unit, microprocessor organization and design, main memory and cache organizations, I/O subsystem; RISC vs. CISC instruction sets, pipelining, parallel processing; mechanisms for evaluating computer architectures and microprocessor performance.
Repeatable: No

♦

CSC 564 Design and Analysis of Algorithms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Regular admission to MSCS program.
Taught: Variable, check with department
Proofs of time and space bounds on important algorithms; advanced algorithms on graphs, sequences and sets; divide-and-conquer and dynamic programming; randomized algorithms; parallel algorithms.
Repeatable: No

♦

CSC 580 Computer Graphics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 501 and MAT 234 or equivalent, or consent of MSCS program director.
Taught: Variable, check with department
Real-time graphics programming using a contemporary 3D API; affine and projective transformations; illumination and shading algorithms; representation and rendering of meshes; 3D picking; clipping and frame-buffer techniques; object-oriented scene graphs.
Repeatable: No

♦

CSC 582 Computer Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 502 or consent of MSCS program director.
Taught: Fall
Theory and algorithms of computer security, including security policies, access control, secure programming, identity and authentication, information flow, and information assurance techniques.
Repeatable: No

♦

CSC 584 Cryptography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Cryptology of classical ciphers, DES and AES, public key cryptosystems, authentication and cryptographic hash functions.
Repeatable: No

♦

CSC 585 Theory of Computation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Regular admission to MSCS program.
Taught: Fall only

Regular and context-free grammars; Turing machines; recursive and recursively enumerable languages; uncomputability; the Chomsky hierarchy; complexity classes such as P, NP, and NP-complete.
Repeatable: No

♦

CSC 594 Topics: Computer Science (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Regular admission to MSCS program and consent of instructor.
Taught: Variable, check with department
Various advanced topics.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

CSC 599 Intermediate Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Regular admission to MSCS Program, consent of instructor.
Taught: Variable, check with department
Intermediate Independent Study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CYS 292 Introductory Research Experiences in CYS (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Variable, check with department
Undergraduate research in cybersecurity directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the cybersecurity major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CYS 296 Introductory Cybersecurity Practicum (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Cybersecurity major and consent of department
Taught: Variable, check with department
Students work on real-world cybersecurity projects whether through a work environment or with guidance of a cybersecurity faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 3

CYS 299 Introductory Independent Study: CYS (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): consent of instructor
Taught: Variable, check with department
Introductory directed study led by a faculty member in cybersecurity.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CYS 310 Cybersecurity Risk Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CYS 285 or CYS 320
Taught: Fall only
Examines cybersecurity from a risk management perspective. Enterprises identify cybersecurity risks, asses those risks, then make risk mitigation decisions based on available resources and business requirements. Students will learn about risk management frameworks and standards, risk assessment processes, appropriate security controls for risk mitigation, and planning for disaster recovery.
Repeatable: No

CYS 330 Introduction to Ethical Hacking (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CYS 285
Taught: Spring only
Discover vulnerabilities in computers, networks, and services. Understand the procedures and tools used for exploiting weaknesses, escalating privilege, and lateral movement. Perform network, operating system, and application penetration testing. Be able to harden the security of computer systems including applications and networks.
Repeatable: No

CYS 392 Intermediate Research Experience in CYS (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and consent of the department
Taught: Variable, check with department
Undergraduate research in cybersecurity directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the cybersecurity major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CYS 394 Intermediate Topics: Cybersecurity (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see schedule of classes)
Taught: Variable, check with department
Various topics in cybersecurity
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited, as topics vary

CYS 396 Cybersecurity Practicum (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Cybersecurity major, junior standing and consent of department.
Taught: Variable, check with department
Students work on real-world cybersecurity projects whether through a work environment or with the guidance of a cybersecurity faculty member. Up to 3 hours can count toward the cybersecurity major.
Repeatable: No

CYS 399 Intermediate Independent Study: CYS (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor

Taught: Variable, check with department
Directed study led by a faculty member in cybersecurity.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CYS 444 Software Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CSC 362 and either CYS 285 or CYS 320
Taught: Spring only
Student will learn the fundamentals of building secure software by applying appropriate processes, techniques, and tools to the software
development lifecycle. Topics include secure design principles, threat
modeling, secure programming practices, security testing, and applying
cryptography securely.
Repeatable: No

CYS 492 Advanced Research Experience in CYS (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Senior standing and consent of the department
Taught: Variable, check with department
Senior-level undergraduate research in cybersecurity directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the cybersecurity major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CYS 494 Advanced Topics: Cybersecurity (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic
Taught: Variable, check with department
Various advanced topics in cybersecurity.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited, as topics vary

CYS 499 Advanced Independent Study: CYS (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor
Taught: Variable, check with department
Advanced directed study led by a faculty member in cybersecurity.
Repeatable: Yes
If Repeatable, Max. Credits: 6

CONSTRUCTION MANAGEMENT

CMGT 101 Introduction to Construction Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
A general survey of the construction industry with its three major segments (Residential, Commercial, and Heavy/Civil.) This class provides an introduction to careers in the construction industry with an emphasis on the project phases, project participants and their interaction, and the importance of the construction industry to the US and global economies.
Repeatable: No

CMGT 120 Construction Materials and Methods I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: CMGT 101.
Taught: Fall and spring
Properties, characteristics, and methods of installation of major construction materials used in the skeleton and shell construction of modern buildings including concrete, asphalt, structural steel, and masonry (Bricks and blocks). Physical and operational properties of these materials are to be investigated including their behavior under loading and their stress/strain performance.
Repeatable: No
♦

CMGT 121 Construction Materials and Methods II (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite OR Co-requisite: CMGT 101 and CMGT 120.
Taught: Fall and spring
Properties, characteristics, methods and practices involved in the finishing of building construction including wood construction, roofing and cladding, thermal and moisture protection, glazing, interior partitions, doors and windows, flooring, and wall and ceiling covering. Applications of these materials to residential and commercial construction will be investigated.
Repeatable: No
♦

CMGT 122 Architectural Design and Drafting (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): CMGT 101.
Taught: Fall and spring
Techniques and procedures used in designing and drafting working drawings for residential structures.
Repeatable: No
♦

CMGT 220 Construction Layout (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): MAT 119
Taught: Fall and spring
Procedures involved in the proper operation and care of traditional and modern surveying equipment and instruments. Students learn about accurate generation, interpretation, and presentation of surveying data through lab reports and layout plans.
Repeatable: No
♦

CMGT 222 Architectural Drafting and CAD (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 121.
Taught: Fall and spring
Techniques and procedures used for manual and computerized drafting and detailing. Students are introduced to proper dimensioning, layering, and graphical presentations using architectural CAD including the production of 2 and 3 dimensional graphical representations of architectural and structural details.
Repeatable: No
♦

CMGT 225 Construction Safety (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 101, CMGT 120, and CMGT 121.
Taught: Fall and spring
Maintaining and operating a safe work environment on construction sites through the understanding and application of the OSHA standards as represented in the 29 CFR 1926. Students learn about hazard identification and mitigation through a properly designed safety program including recording and reporting of construction accidents.
Repeatable: No

♦

CMGT 228 Soil and Foundation Interaction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 121 and MAT 119.
Taught: Fall and spring
Understanding the physical and operational properties of different soils including visual identification and inspection, and lab testing. Students learn about soil classifications and structural performance under different types of loads, the interaction between different soil types, and proper selection of the suitable type of foundation.
Repeatable: No

♦

CMGT 300 Cooperative Education (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): CMGT 222 and CMGT 225.
Taught: Fall, spring, and summer
A cooperative education program provides students an opportunity to apply the knowledge and skills they are learning in the classroom to an employment position in business or industry. This type of work experience is valuable to students for many reasons. It allows students to (1) test and refine career plans and interests; (2) gain experience in their field of specialty before they begin searching for a permanent position; and (3) build a network of professional contacts from which they may draw technical and employment information. A co-op experience can also be financially rewarding. The cooperative education program referred to in this handbook includes all co-op positions in the Department of Construction Management. Please be sure to read this syllabus and address all concerns or questions to the Department of Construction Management.
Repeatable: Yes
If Repeatable, Max. Credits: 2

♦

CMGT 301 Cooperative Construction Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 225, instructor permission, and department consent.
Taught: Fall, spring, and summer
Supervised, objective-based work experience related to the construction management major. This experience is to be coordinated by faculty, employer, coop coordinator, and student. Minimum of 20 hours on the job per week (300 hours per semester) are required of every student. Open to all students majoring in construction management. Applications are to be made to the Department of Construction Management.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

CMGT 303 Contracts and Specifications (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 222 and CMGT 225.
Taught: Fall and spring
Review of the project life cycle during its phases of development including different project parties and their interaction. Students learn about project delivery methods and their applicability to a variety of project structuring and teaming agreements. Students are exposed to project scope coordination and verification through a thorough review of the project documents including drawings, specifications, and regulatory requirements including insurance and bonding, as well as bidding procedures and contract termination.
Repeatable: No

♦

CMGT 305 Mechanical Systems for Construction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 222.
Taught: Fall and spring
A review of the fundamental principles and materials of plumbing, heating, ventilating and air conditioning systems. Students will be exposed to the selection and sizing of different types of piping and HVAC equipment, including calculations of quantities from drawings and rules of thumb for sizing, capacities, and volumes.
Repeatable: No

♦

CMGT 306 Electrical Systems for Construction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): .
Prerequisite OR Co-requisite: CMGT 305
Taught: Fall and spring
A review of the fundamental principles and materials for electrical work including, lighting, low voltage, and power supply for building construction. Students will be exposed to the selection and installation of electrical components including conduits, light fixtures, power, fire alarm, communications, and low voltage networks.
Repeatable: No

♦

CMGT 320 Construction Estimating (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 303.
Prerequisite OR Co-requisite: CMGT 228
Taught: Fall and spring
Interpretation of Construction drawings and specifications, quantity take-off, types of estimates and their uses, estimating direct and indirect job costs, impact of project delivery system on cost and price, and introduction to bidding strategies. Computer applications in construction estimating.

Repeatable: No

♦

CMGT 322 Structural Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 228 and PHY 211.
Taught: Fall
providing stability for structural components used for determinate temporary load support systems, bracing, shoring/reshoring, and other determinate construction load circumstances. Topics include equilibrium, stability/instability, free body diagrams, the calculation of loads resulting in compressive and tensile forces on elements used to support temporary load conditions; assessment of the strength of components to resist such loads; analysis of components' behavior under varying load conditions, basic design considerations of common temporary construction structures such as formwork, bracing of vertical elements, and retaining walls. Treatment of load path for statically determinate structures will also be introduced in this course.
Repeatable: No

♦

CMGT 323 Land Planning and Development (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): CMGT 220, CMGT 222 and CMGT 303.
Taught: Spring only
Practices in land planning and subdivision development. Topics include subsurface utility system planning, environmental protection and controls, project financing and marketing.
Repeatable: No

♦

CMGT 324 Construction Scheduling (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 320.
Taught: Spring only
Applications of time management in construction projects including project planning and scheduling techniques. Topics include development of bar charts, critical path method (CPM), resource allocation, probabilistic scheduling, schedule updating, cash flow baseline, time- cost tradeoff, linear project scheduling, and computer applications in schedule development and control.
Repeatable: No

♦

CMGT 329 Construction Equipment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): .
Prerequisite OR Co-requisite: CMGT 228
Taught: Variable, check with department
Investigation of issues related to the functions and use of construction equipment. Topics related to productivity calculation and improvement, sizing and cycle times, coordination and mixing and matching. Topics also include equipment costing issues and economic considerations on buying, leasing, and/or renting construction equipment. Applications to earthwork operations, concrete mixing and placement, lifting, and piling equipment. Application to civil design and earth structures.
Repeatable: No

♦

CMGT 383 Advanced Technical Study (3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): CMGT 222.
Taught: Variable, check with department
Participation in an employer based technical study program, in a technical seminar, or in a company based practicum. Supervision arranged by the instructor and the agency sponsoring the program. Application must be made with instructor in semester preceding experience. Forty hours of work for each semester hour.
Repeatable: No

♦

CMGT 392 Research Experience in CMGT (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in the Construction Management by participating in special project or original research directed by a member of the Construction Management faculty. Course intended for Construction Management Majors.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

CMGT 399 Independent Study in Construction Management (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department chair.
Taught: Variable, check with department
For advanced students seeking to study selected problems.
Repeatable: No

♦

CMGT 400 Building Codes (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 303.
Taught: Fall only
Understanding the use and applications of the building codes for Residential Construction and Commercial Construction.
Repeatable: No

♦

CMGT 415 Construction Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 322, CMGT 324, and CMGT 329.
Taught: Fall and spring
Principles of Project management and administration applied to construction projects. Integrating the triple constraint (Time, Cost, and Quality) together with other project management functions (Scope, Risk, Communication, Procurement, Human Resources) in a comprehensive project management plan. Topics include computer applications in project administration.
Repeatable: No

♦

CMGT 420 Construction Cost Control (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 320.
Taught: Fall and spring
A study of project costing elements and their relationship with other project characteristics (Time and Quantity). Applications of Value Engineering in Construction. Investigation of the effect of construction methods on project cost. Project cash flow projections and project financing. Major emphasis on project cost allocation, reporting, tracking, and control for labor, material, equipment, subcontractors, as well as job and general overheads.
Repeatable: No
♦

CMGT 422 Advanced Project Controls (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 324
Taught: Fall only
This course provides computer applications in estimate and schedule development and control, together with integrated change management as related to the project triple constraint; time, cost, and scope. The course is delivered through a project-based approach focusing on building the electronic schedule and estimate, base-lining, updating, revising, and modifying the schedule, as well as the integration of other project documents (Drawings, contracts, change orders, correspondence, etc.) through an electronic documentation system.
Repeatable: No
♦

CMGT 424 Construction Renovation and Restoration (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): CMGT 324.
Taught: Fall only
Procedures and techniques for renovating and restoring existing structures. Guidelines for historical preservation, preparation, implementation and utilization of project documents for the renovation of historic projects.
Repeatable: No
♦

CMGT 425 Sustainable Construction (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable-chck w/dept
Introduction to sustainability principles and their impact on construction projects. Investigation of techniques for selection of sustainable sites, water efficiency, energy consumption and its effect on the atmosphere, materials and resources for sustainable development, indoor environmental quality, and innovation in design. Survey of sustainability scoring systems.
Repeatable: No
♦

CMGT 426 Heavy Construction Techniques and Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 220, CMGT 222, and CMGT 303.
Taught: Variable, check with department
Latest Concepts, procedures, and techniques used in analyzing the processes of heavy construction.
Repeatable: No
♦

CMGT 427 Construction Law and Legal Contracts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 303.
Taught: Fall and spring
Contract law principles, mechanics liens, tort law, labor and employment law, insurance and suretyship, arbitration, and contract license law.
Repeatable: No
♦

CMGT 428 Virtual Construction (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 222.
Taught: Variable-chck w/dept
The building industry is rapidly adopting Virtual Design and Construction (VDC) and Building Information Models (BIM) throughout the project process: design, construction, and facilities management. VDC and BIM is increasingly becoming an umbrella term for a variety of software tools, design methods, and construction processes that allow for more automation, communication and integration between project participants. This course reflects on emerging technologies in the context of Project Management and Integrated Delivery, and includes modeling, visualization, 3D clash detection, digital site layout, 4D modeling, as-built model generation, and digital information management. This course will first introduce basic VDC and BIM concepts and review industry examples of how these concepts play out on design and construction projects. We also introduce basic modeling techniques. Building on the modeling skills, we will explore how visualization and information technologies, (3D/4D/BIM and integrated databases) support project planning and execution by creating a 4D model.
Repeatable: No
♦

CMGT 429 Civil Design (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): CMGT 329.
Taught: Fall and spring
Concepts, techniques and procedures involved in managing heavy construction and civil work projects. Emphasis on Highway construction estimating, linear project scheduling, underground utilities layout, retention and detention structures, and traffic control and management.
Repeatable: No
♦

CMGT 430 Design Build (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 320 and CMGT 328.
Taught: Spring only
Major commercial/industrial contractors and their customers want building on a fast tract. The design of the building is taking place as

the building as the building is being built. Construction design techniques and procedures of fast track building.
Repeatable: No

♦

CMGT 431 Capstone Project (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): CMGT 422 and Senior standing.
Prerequisite OR Co-requisite: CMGT 415 and CMGT 420.
Taught: Spring only
Developing a comprehensive project management response to a Request for Proposals related to developing a residential development or a commercial construction project. Production of project documents including estimates, schedules, and other documents including quality, safety, risk, site utilization, constructability, and sustainability plans.
Repeatable: No

♦

CMGT 494 Seminar: Construction Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMGT 222.
Taught: Variable, check with department
Readings and discussion of critical questions. Topics vary according to interests and needs of students.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

COOPERATIVE EDUCATION

CEP 101 Career Development (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Completion of one semester of college coursework.
Taught: Fall and spring
Comprehensive overview of the career planning process; techniques of self assessment and career exploration; skills of decision making and job search.
Repeatable: No

♦

CEP 300 Cooperative Education (1-3 credits)
Hours: 0 classroom + variable lab/studio
Taught: Fall, spring, and summer
Supervised work experience relating to a student's academic major; employment learning experience planned, supervised, and coordinated by employer, faculty coordinator, and a member of the Career Services staff. Cooperative Education is open to most majors on campus. Students must complete an informational session in the Career Services prior to enrollment. Academic credits are awarded for the cooperative work experience on a variable scale.
Repeatable: Yes
If Repeatable, Max. Credits: 12

COUNSELING

COU 545 Children and Families in Health Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior or graduate standing.
Taught: Variable, check with department
This course introduces the theory and practice of Child Life, demonstrating how child life specialists provide emotional care and meet the developmental needs of pediatric patients and their families.
Repeatable: No

♦

COU 575 Mindfulness and Contemplative Practices (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior or graduate standing.
Taught: Variable, check with department
This course invites students to explore mindfulness and contemplative practices. Research indicates these practices can benefit individuals in the helping professions by strengthening concentration and insight as well enhancing empathy and compassion. These practices have the potential to prevent burnout and foster resilience for professionals whose daily work involves emotional engagement and caring.
Repeatable: No

♦

COU 580 Research Tools in Counseling (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Research, technology, and communication competencies required for graduate-level coursework in counselor education: use of library resources for researching the counseling literature; written communication using APA style; basic data analysis and interpretation; computer competencies expected for incoming counseling students.
Repeatable: No

COU 592 Directed Research: Couns & Human Svcs (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite OR Co-requisite: Department permission.
Taught: Variable, check with department

Original research in counseling or human services directed by a member of the Counseling or Human Services faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 15

COU 594 Special Topics in Counseling (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Junior or graduate standing.
Taught: Variable, check with department
In-depth study of contemporary topics in counseling. Topic listed in Schedule of Classes; May be repeated for credit when topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

CRIMINAL JUSTICE

JUS 101 Introduction to Criminal Justice - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
This course provides an overview of the criminal justice system; organization and operation of police, courts, and corrections; race, ethnicity, gender, and criminal justice decision-making, current trends and future prospects.
Repeatable: No
General Education Credit: Individual and Society

JUS 200 Police in America (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Philosophy and history of law enforcement; crime and police problems; organization and jurisdiction of local, state, and federal law enforcement agencies; professional career opportunities and qualifications.
Repeatable: No

JUS 201 Corrections in America (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
An interdisciplinary examination of all areas of corrections in the United States informed by law, psychology, sociology, and public policy. Topics explored include history and philosophy of punishment, prisons and jails, institution programming, management of various offender populations, incarceration trends, intermediate sanctions, and parole.
Repeatable: No

JUS 203 The Criminal Court Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Analysis of the American courts; structure, functions, and roles of incumbents in the courts; emphasis on political and economic contexts within which the court works. Includes survey of research on American legal system.
Repeatable: No

JUS 204 Criminal Investigation (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Kinds, degrees, and admissibility of evidence; collection and handling of evidence; introduction to forensics and criminalistics; application of investigative techniques to specific offenses; types of investigations such as wire tapping, undercover, and sting operations; current trends and future prospects.
Repeatable: No
♦

JUS 210 Legal Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Methods of research in establishing authoritative legal opinion and the processing of legal activities.
Repeatable: No

JUS 231 Race, Gender and Crime - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Political formulation of race and gender; race and gender issues related to criminality, victimization, prosecution; adjudication, sanctions, and employment within the legal system; antecedents of contemporary practice; prospects for change.
Repeatable: No
General Education Credit: Global Viewpoints

JUS 294 Topics: Justice Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101.
Taught: Variable, check with department
Intensive study of a specific or special issue in law enforcement or criminal justice conducted in a seminar fashion or through independent study. Topics vary as new issues arise.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

JUS 300 Juvenile Justice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 *and Sophomore standing.*
Taught: Fall and spring
Structure and format of the juvenile justice system; police, courts, and corrections; analysis and description of the organizational structure of each of the subsystems of the justice process; introduction to juvenile justice research findings.
Repeatable: No
♦

JUS 301 Ethics in Criminal Justice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall and spring
Examines the concepts of morality and law and their relationships especially the ethical underpinnings of justice and the law. Analyzes the nature of ethics as it bears on social problems and the law, including philosophical analysis and theories of ethics and are encouraged to view society and the law philosophically.
Repeatable: No
♦

JUS 302 Criminal Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall only
Major crimes; classification, elements of proof, intent, conspiracy, responsibility, parties, and defenses; common law and adaptations.
Repeatable: No
♦

JUS 303 Criminal Procedure (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Spring only
Leading constitutional cases on criminal justice; Fourth, Fifth, and Sixth amendments to the Federal Constitution; nature and

application of the Bill of Rights to the states; search and seizure, confessions and admissions, and right to counsel and speedy trial.
Repeatable: No

♦

JUS 310 Police Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall only
Organization and administration as applied to operational services, patrol, criminal investigation intelligence and vice units, juvenile units, and traffic administration.
Repeatable: No

♦

JUS 311 Police in the Community (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Spring only
Collaboration between police and community to identify and solve community crime problems; strategies and procedures to incorporate community opinion into policing and management; methods of increasing community responsibility in law enforcement.
Repeatable: No

♦

JUS 312 Institutional Corrections (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall only
Legal requirements, management issues, and proper procedures in administering correctional operations in the U.S.
Repeatable: No

♦

JUS 313 Rights of the Convicted (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department.
Overview of the American correctional system; law of sentencing; corrections; constitutional rights of prisoners; laws, cases, significant changes in judicial policy toward prison litigation; legislative trends toward curtailment of prisoner's rights and benefits.
Repeatable: No

♦

JUS 315 Criminal Justice Research Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.

Taught: Fall and spring
Application of basic research methodologies for criminal justice. Topics include research design, sampling, validity, reliability, experimental designs, with a primary emphasis on survey and evaluation research techniques.
Repeatable: No

♦

JUS 317 Perspectives on Crime (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall and spring
A multidisciplinary approach to understanding the theories, issues and traditions underlying criminal justice and criminal behavior, biological, psychological, economic, and sociological theories of crime; crime measurement.
Repeatable: No

♦

JUS 319 Criminal Justice in Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department
The media play important roles in shaping public perceptions of criminals and criminal justice professionals as well as public attitudes towards crime, violence, and "appropriate" methods of social control. This course is intended to enhance awareness and understanding of accurate and inaccurate filmic depictions of criminal justice.
Repeatable: No

♦

JUS 320 Advanced Crime Scene Technology and Criminalistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101, JUS 204 , and sophomore standing.
Taught: Fall only
Advanced criminal investigation techniques focusing on criminal profiling, DNA, forensic aspects of firearms examination, arson and explosives, illicit drugs and toxicology. Investigating violent deaths, sexual crimes and ritualistic crimes including autopsy/coroner investigations. Bloodstain pattern interpretation, forensic pathology and forensic psychology will also be addressed.
Repeatable: No

♦

JUS 323 Drugs and Crime (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Spring only
Examination of the interaction between drug abuse and the criminal justice system, drug pharmacology, drug laws, the roles of police, the international war on drugs, and American public policy regarding interdiction of drugs in producing countries.
Repeatable: No

JUS 333 Careers in Criminal Justice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department
Overview of various career options and career planning in criminal justice.
Repeatable: No

♦

JUS 351 White Collar Crime (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101

Taught: Variable, check with department
An examination of the history, scope, and method of control of organized and white collar crime. Cultural and social implications are explored.
Repeatable: No
♦

JUS 392 Research in Criminal Justice (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Permission of instructor.
Taught: Fall and Spring
Student will conduct original investigation of selected field specific topics chosen in consultation with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

JUS 395 Criminal Justice: Study Abroad (1-15 credits)
Hours: 1-15 classroom + 0 lab/studio
Taught: Variable, check with department.
This course will explore the history, philosophy, and current practices of criminal justice in the other countries. Students will gain an appreciation and understanding of the history and administration of criminal justice in a global context. Including but not limited to, transnational crime, law enforcement, judiciary, and correctional options in the country of study. The course may include face to face and/or online classroom engagement and a mandatory study abroad component. The study abroad component may include travels to the United Kingdom, Europe, Africa, and Central or South America. Program permission is required. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

JUS 402 Alternatives to Incarceration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall only
A multidisciplinary approach to studying alternatives to incarceration. The history of probation, parole, and the emergence of intermediate sanctions are explored. Topics include boot camps, electronic monitoring, drug courts, halfway houses, intensive supervision. Finally, empirical research evaluating the effectiveness of these alternatives will be discussed.
Repeatable: No
♦

JUS 403 Crime and Public Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Spring only
Crime as a political issue, political ideology and response to crime, lawbreaking as political protest and political violence; political trials; legislation or morality.
Repeatable: No
♦

JUS 404 Evidence Preparation and Courtroom Testimony (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Spring only
Criminal justice professional's role in collection, analysis, and preparation of evidence for criminal trials and hearings; establishing witness credibility in hearings, trials, depositions; knowledge of federal and state laws, and court decisions governing expert witness status; presenting evidence and testimony at criminal hearings.
Repeatable: No
♦

JUS 405 Crime Prevention (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department.
This course overviews methods of crime prevention (approaches outside the confines of the CJS). Theory and research related to neighborhood, school, and other situational efforts of crime prevention are explored providing an understanding of the objectives and effectiveness of various crime prevention strategies.
Repeatable: No
♦

JUS 406 Terrorism and Homeland Security (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and Sophomore standing.
Taught: Spring only
Foundations of global terrorism, terrorist organizations, counterterrorism, essential aspects and organization of homeland security, intelligence, counterintelligence, and current emerging threats.
Repeatable: No
♦

JUS 407 Media, Crime, and Justice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and Sophomore standing.
Taught: Spring only
Examines various aspects of media and its relation to crime and criminal justice. In addition, the course analyzes foundational sociological and criminological concepts and the relationship between art and crime, by examining these concepts through various artistic mediums, such as television, cartoons, research articles, comic books, superheroes, film, music, poetry, literature, and more.
Repeatable: No
♦

JUS 408 Victims and Crime (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall
Examines crime victims from the theoretical perspective to the delivery of services. Foundation information includes victim data sources, crime victims' rights and victim typologies. Student explore victim service agencies, including volunteer, internship and employment opportunities in the public and non-profit sector.

Repeatable: No

♦

JUS 413 Flawed Criminal Justice Policies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department.
Review of policies with unintended consequences and their impact on the criminal justice system and society. Process of developing evidence-based policies and best practices.
Repeatable: No

JUS 414 The Death Penalty (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department.
Overview of capital punishment. History, Supreme Court decisions, methods of execution, comparative costs of incarceration and execution, miscarriages of justice, philosophies, and public opinion.
Repeatable: No

JUS 428 Crime Across the Life Course (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department.
The life course paradigm includes examination of sociology, psychology, and behavioral genetics to investigate the initiation, escalation, duration, and termination of the criminal career. The importance of genetics and biology, abuse in infancy and childhood, the role of parents and peers in adolescence, and the causes of de-escalation will be discussed in examining the offending trajectory and turning points of criminals.
Repeatable: No

♦

JUS 429 Women in Criminal Justice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Fall only
This course will address women in the criminal justice system. Topics covered include: explanation of patriarchy and feminist theories, history of and women as employees in the criminal justice system, female crime theories, female crime and victimization, the response to their crime and victimization by the criminal justice system including programs intended to prevent violence and treat victims and offenders of crime.
Repeatable: No

♦

JUS 494 Seminar: Justice Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JUS 101 and sophomore standing.
Taught: Variable, check with department
Intensive study of a specific topic or issue in criminal justice. Topics vary as new issues arise. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

JUS 496 Internship: Justice Studies (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): JUS 101; sophomore standing; 3 additional semester hours of justice studies coursework; and consent of intern coordinator. A maximum of 6 hours of JUS 496 may be counted toward the major.
Taught: Fall and spring
Supervised field-work in one of four areas: (1) law enforcement, (2) courts and law, (3) corrections, or (4) support services. Offered on a pass/fail basis.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

JUS 499 Readings: Justice Studies (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): JUS 101; sophomore standing; 3 additional semester hours of justice studies coursework.
Taught: Variable, check with department
Specialized reading or primary research interests completed through independent study at the direction of a specific instructor. May be repeated as projects vary. A maximum of six hours can be used towards the major or minor in criminal justice.
Repeatable: No

♦

CYBERSECURITY

CYS 285 Cybersecurity Fundamentals (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 130 and CIT 171, and C- or better in either CIT 247 or INF 284.
Taught: Fall and spring
An introduction to fundamental concepts and technologies in cyber-security, with lab exercises that focus on practical aspects of securing computers. Topics include risk analysis, common attacks and defenses, authentication, access control, network security, application and data security, and cryptography. Not open to students who have completed or are taking CIT 480 .
Repeatable: No

CYS 305 Peer Teaching Assistant Training (3 credits)
Hours: 3 classroom + 0 lab/studio hours
Prerequisite(s): B or better in the class the student will serve as a TA for and permission of department
Taught: Fall and spring
Pedagogical training for majors as peer teaching assistant in the discipline, and practicum to apply training as teaching assistant in assigned Computer Science department class; practicum work may include attending meetings of assigned class, monitoring discussion lists, holding office hours, and supporting assigned class instructor in teaching plus grading activities.
Repeatable: No

CYS 306 CYS Department Peer Mentorship (0-2 credits)
Hours: 0-2 classroom + 0 lab/studio hours
Prerequisite(s): Permission of Department
Prerequisite OR Co-requisite: CSC/CIT/DSC/CYS/ASE 305

Taught: Fall and spring
Experience in performing teaching assistant duties for select undergraduate course. Student will hold two office hours per week (online for online classes), meet with instructor weekly, participate in discussion board threads of online courses (150 minutes per week) and hold exam review sessions.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 2 hours

CYS 320 Info Assurance, Security and Privacy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CSC 260
Taught: Fall only
This course will introduce non-majors to foundational information assurance, security, and privacy concepts. It will provide a beginner's level overview of the following domains within the security discipline: information security fundamentals & principles, access controls, authentication & security technologies, data security & cryptography concepts, data privacy and software security.
Repeatable: No
♦

CYS 385 Cybersecurity Analysis I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): INF 120; CIT 271 or CIT 371; and CYS 285
Taught: Fall and Spring
Analysis of cybersecurity incidents and threat intelligence in a variety of environments, including cloud-based systems. Vulnerability management, software and hardware development security, infrastructure security and controls, identity and access management, and cybersecurity writing.
Repeatable: No

CYS 430 Computer Forensics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in CIT 371 and either CYS 285, CYS 320, or BIS 382
Taught: Fall and spring
Computer and network forensics principles; incident response process; forensic duplication and analysis; reconstruction of computer activities; network-based evidence for intrusions; forensics tools.
Repeatable: No
♦

CYS 439 Cloud Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CYS 285 and CIT 371
Taught: Variable, check with department
Students will learn cloud security concepts of identity and access management, infrastructure protection, logging and monitoring, detection and incident response, and compliance. Hands-on labs will show students how to effectively implement cloud security solutions and troubleshoot cloud security issues.
Repeatable: No

CYS 485 Cybersecurity Analysis II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in either CYS 385.
Taught: Fall and spring
Advanced cybersecurity topics, including incident response, network security monitoring, and penetration testing. This class also covers ethical, policy, and legal issues related to cybersecurity.
Repeatable: No
♦

DATA SCIENCE

DSC 101 Introduction to Data Science (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
Describes the field of data science and data science careers. Orients students to data science in the College of Informatics, including experience with commonly used tools and labs.
Repeatable: No

DSC 194 Data Science: Introductory Topic (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Introductory topic in data science. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

DSC 199 Data Science: Introductory Ind. Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Introductory independent study in data science. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 200 Data Wrangling (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): INF 286, one of STA 205 or STA 205R or STA 250, and an introductory programming course (e.g., INF 120, CSC 260).
Prerequisite OR Co-requisite: DSC 101 or INF 282
Taught: Fall
Understand various data formats, including CSV, TSV, XML, JSON, and HTML; acquire data through various sources, such as plain text, databases, the Web and API; clean and prepare both structured and unstructured data.
Repeatable: No
♦

DSC 292 Introductory Research Experience in DSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Variable, check with department
Introduction to research in data science by participation in a

special project or research directed by a faculty member. Course intended for students interested in data science research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

DSC 299 Independent Studies: DSC Sophomore (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Independent study at a sophomore level in a data science topic. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 305 Peer Teaching Assistant Training (3 credit hours)
Hours: 3 credit hours / 0 lab+studio hours
Prerequisite(s): B or better in the class the student will serve as a TA for and permission of department
Taught: Fall and spring
Pedagogical training for majors as peer teaching assistant in the discipline, and practicum to apply training as teaching assistant in assigned Computer Science department class; practicum work may include attending meetings of assigned class, monitoring discussion lists, holding office hours, and supporting assigned class instructor in teaching plus grading activities.
Repeatable: No

DSC 306 DSC Department Peer Mentorship (0-2 credit hours)
Hours: 0-2 credit hour / 0 lab+studio hours
Prerequisite(s): Permission of Department
Prerequisite OR Co-requisite: CSC/CIT/DSC/CYS/ASE 305
Taught: Fall and spring
Experience in performing teaching assistant duties for select undergraduate course. Student will hold two office hours per week (online for online classes), meet with instructor weekly, participate in discussion board threads of online courses (150 minutes per week) and hold exam review sessions.
Repeatable: Yes
If Repeatable, Max. Credits: Up to 2 hours

DSC 311 Data Analytics and Visualization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DSC 200 and STA 250.
Taught: Spring only
Data analysis process; exploratory data analysis; selection of descriptive analytics techniques; identification of important attributes; development of derived attributes; presentation of data analysis results; the data visualization process; design principles and techniques for visualizing data; visualization techniques for geospatial data; visualization techniques for multivariate data; network visualization; designing effective visualizations.
Repeatable: No

♦

DSC 392 Intermediate Research Experience in DSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and consent of department
Taught: Variable, check with department
Undergraduate research in data science directed by a faculty member. Up to 6 hours of x92 and x99 credit can count toward the data science major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 394 Intermediate Topics: Data Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable-chck w/dept
Intermediate level topic in data science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 396 Data Science Practicum (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Data science major, junior standing and consent of department.
Taught: Variable, check with department
Students work with big data and analytical tools to apply concepts to solve real-world problems whether through a work environment or with the guidance of a data science faculty member. Up to 3 hours can count toward the data science major.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

DSC 399 Intermediate Independent Study: Data Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable-chck w/dept
Intermediate level independent study or directed readings in data science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 411 Data Mining (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DSC 311 ,CSC 364 and STA 250.
Taught: Spring only
Discovering patterns in datasets; data mining concepts and methodologies including classification, clustering, associations, and anomaly detection; selecting appropriate data mining algorithms; experimenting with data mining tools, such as SPSS, R, Weka, or Oracle Data Miner.

Repeatable: No

♦

DSC 421 Big Data (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DSC 411.
Prerequisite OR Co-requisite: CSC 350 .
Taught: Fall only
Manipulation, storage, and analysis of large-scale data with respect to issues involving volume, velocity, variety and veracity; design of large-scale databases; use of large-scale distributed file systems; design of algorithms to analyze large data sets using parallelized processing tools.
Repeatable: No

♦

DSC 431 Network Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): STA 250, MAT 234, and CSC 364
Taught: Fall only
Network analysis fundamentals; technological and information networks; social networks; network representations; network visualization; network centrality measures; network structure; random networks; models of network formation.
Repeatable: No

♦

DSC 492 Advanced Research Experience in DSC (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Junior standing and consent of department
Taught: Variable, check with department
Undergraduate research in data science directed by a faculty member. Up to 6 hours of x92 and
x99 credit can count toward the data science major.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 494 Advanced Topics: Data Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable-chck w/dept
Advanced topic in data science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DSC 496 Data Science Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): DSC 421
Co-requisite(s): BIO 292 or *DSC 292* (0 hours)
Taught: Spring only
Student teams design, implement, and present a data science project for a client. Projects will include cleaning, processing, and analysis of data, along with oral and written presentations with appropriate data visualizations.
Repeatable: No

♦

DSC 499 Advanced Independent Study: Data Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable-chck w/dept
Advanced independent study or directed readings in data science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DANCE

DAN 200 Dance and Music of the African Diaspora - SB (3 credits)
Hours: 2 classroom + 1 lab/studio hours
Taught: Fall
An African cultural course examining dance and music of the African Diaspora as a mode of communication, community, and embodied experience. Through lectures, discussions, and written assignments, students will gain understanding of the cultural significance of specific dance and music entities of the African Diaspora in cultural and artistic ideology.
Repeatable: No
General Education Credit: Cultural Pluralism

DAN 230 Pilates Mat II (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): DAN 130
Prerequisite OR Co-requisite: DAN 130
Taught: Variable, check with department
Pilate Mat II progresses the knowledge-base learned in Pilates Mat I with a focus on verbal and tactile cueing while advancing exercises incorporating props. This course also introduces postural assessments addressing anatomy for safe exercise design to accommodate specific client's needs.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DEVELOPMENTAL MATHEMATICS

MAT 108 College Algebra (3 Credits)
Hours: 2 classroom + 3 lab/studio
Prerequisite(s): C- or better in MAHD 099 or placement.
Taught: Fall and Spring
Extensive review of advanced topics from Algebra II with supplemented instruction and a focus on preparation for pre-calculus mathematics. Only open to students in the School Based Scholars Program. This course does not count toward general education requirements. Credit is not given for both MAT 108 and MAT 109 .
Repeatable: No

♦

ECONOMICS

ECO 100 Principles of Macroeconomics - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Introductory macroeconomics; national income and employment; economic growth, business cycles and inflation; economic role of government; role of money and banking system; international trade.
Repeatable: No
General Education Credit: Individual and Society
♦

ECO 101 Principles of Microeconomics - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Individual market behavior in capitalistic economy; role of supply and demand in determination of value and resource allocation; monopoly and its regulation; problems of economic growth; population growth, and environment.
Repeatable: No
General Education Credit: Individual and Society
♦

ECO 203 Economics & Business Analytical Skills (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall
Introduction to essential tools for quantitative and visual analyses that underlie economic and business decision-making: types of functional forms; properties such as inflection, concavity, convexity and critical values; analysis of constrained and unconstrained optimization behavior in consumption and production contexts.
Repeatable: No

ECO 205 Economics for Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Examines essential concepts of macroeconomics and microeconomics with an emphasis on concepts appropriate for elementary, middle, and high schools. Not applicable to a major or minor in business. Will not substitute for ECO 100 and/or ECO 101.
Repeatable: No

ECO 300 Intermediate Macroeconomics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: ECO 203
Taught: Fall only
Theory of economic aggregates; advanced analysis of national income determination and employment; development of policy on inflation, unemployment, and economic growth; the internet and data sources available on the World Wide Web.
Repeatable: No
♦

ECO 301 Intermediate Microeconomics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s):
Prerequisite OR Co-requisite: ECO 203
Taught: Spring only
Theory of optimal price; output and employment decisions of firms under varying market structures; individual and market demand; general equilibrium; case studies of major topics.
Repeatable: No
♦

ECO 302 Money and Banking (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101 or STA 205 or STA 205R.
Taught: Variable, check with department
History and evolution of the American banking system; interest rates, financial instruments, and financial markets; financial institutions; central banks, monetary policy and financial stability; modern monetary economics.
Repeatable: No
♦

ECO 305 Foundations of International Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100.
Taught: Fall and spring
Examines the challenges and opportunities of international business; survey and analysis of political, economic, social, cultural and ethical differences among people that affect international business; survey of trade theory and global and financial institutions that affect trade.
Repeatable: No
♦

ECO 307 Moneyball: The Economics of Sports (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in ECO 101.
Taught: Fall and summer
Challenges students to apply economic theory to the unique aspects of college and professional sports. Highlights of the course include the industrial structure of sports, public financing of sports, and labor markets in sports.
Repeatable: No
♦

ECO 309 Data Tools for Economic Analysis 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 ,ECO 101 , and STA 205 or STA 205R
Taught: Variable, check with department
The fundamentals/principles of data analysis with focus on how to access publicly available datasets; how to code and manage large data sets using current software used in industry; analyzing and visualizing data. Focuses heavily on the importance of communicating data for public use.
Repeatable: No

ECO 310 Introduction to Econometrics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100, ECO 101, and STA 205 or STA 205R.
Taught: Fall only
Introduction to economic measurement; review of statistics, theoretical models, analysis of economic data, forecasting and other technical considerations; gathering, analyzing, and presenting economic information.
Repeatable: No
♦

ECO 311 Econometrics II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 310.
Taught: Spring only
Second course in econometrics sequence. The course covers how to statistically address problems resulting from relaxation of assumptions underlying OLS regression; simultaneous equation models; time series models and forecasting based in EXCEL.
Repeatable: No
♦

ECO 330 Urban and Regional Economics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101.
Taught: Variable, check with department
Application of economic analysis to explain spatial patterns of economic activity within subdivisions of the larger economic system.
Repeatable: No
♦

ECO 340 International Economics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101.
Taught: Variable, check with department
Theory of international trade and finance; commercial and financial policies; foreign exchange; international monetary institutions; policies of free and controlled trade; world economic planning.
Repeatable: No
♦

ECO 342 Economic Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101.
Taught: Variable, check with department
Changing economic circumstances over time; measuring economic development; factors associated with economic development; domestic and foreign saving and investment; human capital and productivity; trade policy; exporting; other factors affecting economic development.
Repeatable: No
♦

ECO 350 Labor Economics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101.
Taught: Variable, check with department
Analysis of the functioning of labor markets with theoretical, empirical, and policy applications in determination of employment and wages in the U.S. economy.
Repeatable: No
♦

ECO 360 Health Economics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 101 and STA 205 or STA 205R.
Taught: Variable, check with department
Introduction to health economics focuses on using the tools of microeconomic analysis to understand behavior by consumers, producers and insurers in health care markets. The tools of microeconomic analysis will also be applied to current policy problems, and supported with analyses of publicly available data sources.
Repeatable: No
♦

ECO 392 Research Experience in Economics (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in Economics by participating in special project or original research directed by a member of the Economics faculty. Course intended for Economics Majors. Will not substitute for ECO 485; may not be used as an ECO elective.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ECO 394 Topics in Economics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101; additional prerequisites may be added based on topic.
Taught: Variable, check with department
Specialized topics of faculty and student interest. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ECO 396 Internship: Economics (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 300, ECO 301, ECO 310 and consent of instructor.
Taught: Fall, spring, and summer
Selected placement of qualified students in supervised paid or unpaid off-campus economics related professions; experience in statistical problem solving and business policies and procedures.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ECO 485 Seminar in Economics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 300 and ECO 301.
Taught: Fall and spring
Capstone course for economics majors. Discussion and analysis of contemporary economic problems. Different topics offered each semester. Written research paper and oral presentation required.
Repeatable: Yes
If Repeatable, Max. Credits: 6

Available High Impact Practices: capstone
♦

ECO 499 Independent Study: Economics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ECO 100 and ECO 101.
Taught: Variable, check with department
Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor.
Repeatable: No

♦

ECO 580 Econ/Financial Literacy for Educators (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
A conceptual framework for the study of economics, economic decision making, and personal financial management. Intended for educators and trainers with little or no background in economics and/or financial literacy. May not be used as an ECO elective.
Repeatable: No

ECO 594 Teaching Econ/Fin Literacy Topics (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department.
Strategies for teaching economics and financial literacy. Intended for K-16 educators, community educators, corporate trainers. Repeatable for credit when topics vary. May not be used as an ECO elective.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EDUCATION

EDU 104 Orientation: Education Profession/Program (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
Designed to explore the education profession and programs of the Teacher Education Department; Teacher Education Handbook; KY New Teacher Standards; various teacher areas; and includes a field experience component. Education majors must earn a grade of C or better.
Repeatable: No

EDU 104H Introduction to the Education Profession (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Variable, check w/ department
The purpose of this course is to explore the education profession and the programs in the College of Education and Human Services. The course is intended for anyone who is interested in becoming a teacher. The course will address the KY Teacher Standards, the Teacher Education Handbook, various teaching areas, and include a field experience component. Students must complete this course before they can enroll in any other education courses.
Repeatable: No

EDU 107 Foundational Math for Elem & Mid Grades (1 credits)
Hours: (1 classroom + 0 lab/studio)
Taught: Fall and spring
This course focuses on the foundational knowledge needed to successfully participate in the mathematics curriculum for becoming an elementary or middle grades teacher at NKU. Topics include computation with whole numbers, rational numbers, decimals and fractions and knowledge of foundational geometric concepts and their relationships.
Repeatable: No

♦

EDU 170 Introduction to LGBTQ Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
This course introduces various topics, questions, and approaches that characterize the growing field of lesbian, gay, bisexual, trans, and queer (LGBTQ) studies. Using interdisciplinary perspectives that analyze sexuality and its intersections with gender, race, and class, it examines history, politics, culture, and education as sites of power, identity, community, and resistance.
Repeatable: No

EDU 205 Positive Habits for Lifelong Learning (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and Spring
Exploration and development of learning approaches that lead to success in college. Topics include time management, goal-setting and achievement, reading, note-taking, study skills, test-taking, wellness, and self-efficacy. Students reflect on past and current academic challenges and learn how to form more desirable habits that can make them stronger academically.
Repeatable: No

EDU 245 Teacher Educ Mentoring and Leadership (1 credit)
Hours: 1-6 variable classroom + 0 lab/studio
Taught: Fall and Spring
This course provides student mentors and mentees with opportunities to explore and apply leadership principles and practices. Students will develop plans for how their mentoring experiences can be applied to enrich their academic pursuits and career development
Repeatable: Yes
If Repeatable, Max. Credits: 6

EDU 250 LAMP Latino Mentee Experience I (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and Spring
The LAMP program strives to create a community of learners. One of the benefits of participating in the program is the mentoring experience. Students are partnered with a mentor who provides guidance and advice in all areas.
Repeatable: No

EDU 251 LAMP Mentee Experience II (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EDU 250
Taught: Fall and Spring
The goal of this course is to establish a personal connection

between the mentor and mentee through common passions, interests, and academic and professional aspirations.
Repeatable: No

EDU 252 LAMP Mentor Experience I (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EDU 250, *or* EDU 251, *or permission of instructor.*
Taught: Fall and Spring
Within the context of this course, you will be trained as a first-year experience peer mentor. You will develop skills in leadership, student development, academic development, and community building.
Repeatable: No

EDU 253 LAMP Mentor Experience II (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EDU 252 *and permission of instructor.*
Taught: Fall and Spring

A practical course in supporting peers with their learning processes using a facilitative, collaborative approach. Students will become familiar with learning theories and learning processes through readings and assignments, and will receive practical experience by helping learners in the LAMP program.
Repeatable: No

EDU 254 LAMP Capstone Seminar (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Permission of instructor.
Taught: Fall and Spring
The Capstone Seminar *allows students to grow academically, professionally, personally, and civically in a service-learning experience. Students meet real needs on campus and in the community while building their capacity to address the needs of local populations and reflect on their action plan and engagement, especially with the LAMP community.*
Repeatable: No

EDU 294 Special Topics in Education (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
This course will cover special topics and current issues in education. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

EDU 300 Human Growth and Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Life-span human development; physical, cognitive, social, and personal development especially as these relate to children in school and to the adults who influence them; individual study focusing on student development at specific levels of instruction.
Repeatable: No
♦

EDU 300H Human Growth and Development Honors (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall only
Life-span human development physical, cognitive, social, and personal development especially as these relate to children in school and to the adults who influence them individual study focusing on student development at specific levels of instruction.
Repeatable: No
♦

EDU 301 Interpersonal Interaction and Guidance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall only
Familiarization with challenging behaviors and guidance strategies for young children within early childhood settings.
Repeatable: No
♦

EDU 302 Teaching of Reading (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program.
Co-requisite(s): EDS 322, and EDU 388, EDU 314, EDU 310.
Taught: Fall and spring
Nature and underlying theories of reading processes, development, and sequence of reading skills; effective instructional design for teaching and assessing reading in K-5 classroom.
Repeatable: No
♦

EDU 303 Admission Field Experience IECE (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): 45 semester hours completed, minimum 2.75 overall GPA and acceptable score on PRAXIS I and successfully completed FBI background check.
Co-requisite(s): EDU 313.
Taught: Fall and spring
Field experience for students who plan to teach children ages birth-kindergarten with or without disabilities in a variety of settings.
Repeatable: No
♦

EDU 304 Reading and Writing Across the Curriculum: Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDU 344 and EDU 391
Taught: Fall and spring
Nature of the reading and writing process in the middle grades across the curriculum; theory, instructional methods, and materials.
Repeatable: No

EDU 305 Introduction to Education (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 104.
Taught: Fall and spring
Examination of teaching as a profession and of schooling as it currently functions in the U.S.; inquiry into contemporary

educational theory and practice to assist students in making realistic career decisions.
Repeatable: No
♦

EDU 305H Introduction to Education Honors (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 104H.
Taught: Variable, check w/ department
Examination of teaching as a profession and of schooling as it currently functions in the U.S. inquiry into contemporary educational theory and practice to assist students in making realistic career decisions.
Repeatable: No
♦

EDU 306 Teaching Elementary School Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 140 and MAT 141, each with minimum grade of C; satisfactory completion of professional semester I; admission to the teacher education program.
Co-requisite(s): EDU 308, EDU 312, EDU 315 and EDU 389.
Taught: Fall and spring
Materials and methods for teaching problem solving, reasoning, communication, and connections of the concepts, skills, and relationships in elementary mathematics including number/computation, geometry/measurement, probability and statistics, and algebraic ideas.
Repeatable: No
♦

EDU 307 Admission Field Experience Elementary (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): 45 semester hours completed; 2.75 overall GPA; acceptable score on PRAXIS I and successfully completed FBI background check.
Co-requisite(s): EDU 313.
Taught: Fall and spring
Introductory field experience for students planning to teach in elementary schools; individual and group activities to assist students in making realistic career decisions.
Repeatable: No
♦

EDU 308 Teaching Elementary School Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): One biology course with lab and one physical science course with lab or SCI 110 and SCI 111 (each with a minimum grade of C); satisfactory completion of Professional Semester I; admission to the teacher education program.
Co-requisite(s): EDU 306, EDU 315, EDU 312, and EDU 389.
Taught: Fall and spring
Theory, content, and instructional strategies for teaching elementary school science with an emphasis on inquiry-based methods.
Repeatable: No
♦

EDU 309 Admission Field Experience Middle Grades (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): 45 semester hours completed; 2.75 overall GPA; acceptable score on PRAXIS I and successfully completed FBI background check.
Taught: Fall and spring
Introductory field experience for students planning to teach in middle grade schools; individual and group activities to assist students in making realistic career decisions.
Repeatable: No
♦

EDU 310 Teaching Language Arts in Early Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 or ENG 104; successful completion of the admissions practicum; admission to the teacher education program.
Co-requisite(s): EDU 302, EDU 314 and EDS 322.
Taught: Fall and spring
Objectives, curricula, and instructional materials related to teaching and assessing language arts, writing, and communication in a K-5 classroom.
Repeatable: No
♦

EDU 311 Admission Field Experience Secondary (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): 45 semester hours completed; 2.75 overall GPA; acceptable score on PRAXIS I, successfully completed FBI background check.
Taught: Fall and spring
Introductory field experience for students planning to teach in middle or secondary schools; individual and group activities to assist students in making realistic career decisions.
Repeatable: No
♦

EDU 312 Teaching Social Studies in Early Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of history/geography; successful completion of Professional Semester I; admission to the teacher education program.
Co-requisite(s): EDU 306, EDU 308, EDU 315, and EDU 389.
Taught: Fall and spring
Objectives, curricula, and instructional strategies for teaching social studies in elementary schools.
Repeatable: No
Available High Impact Practices: collaborative learning
♦

EDU 313 Instructional Technology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 104 .
Co-requisite(s): EDU 303, EDU 307, EDU 309, or EDU 311.
Taught: Fall and spring
Materials and methods designed to use technology to enhance learning within and across content areas: emphasis on 21st century skills, technology integration strategies, Internet tools, instructional applications, and technology ethics.

Repeatable: No

♦

EDU 314 Classroom Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program.
Co-requisite(s): EDU 388, EDU 302, EDS 322.
Taught: Fall and spring
Current research and theory related to planning, organizing, and managing student learning and behavior in the classroom.
Repeatable: No

♦

EDU 315 Educational Assessment: Elementary Schools (2 credits)
Hours: 2 classroom + 0 lab/studio
Taught: Fall and spring
Concepts and principles of testing needed to select, construct, and interpret assessment instruments used in schools. This course is open to elementary education majors only.
Repeatable: No

EDU 316 Education in a Multicultural Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Introduction to the role of educational institutions in perpetuating inequality in the United States. Theories that explain patterns of educational inclusion and exclusion, oppression, and anti-oppression.
Repeatable: No
General Education Credit: Cultural Pluralism

EDU 318 Classroom Climate Management: Middle School (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program.
Co-requisite(s): EDU 343 and EDU 394.
Taught: Fall and spring
Current philosophies and methods for creating and sustaining a classroom climate responsive to the unique academic, physical, and social-emotional needs of middle grades students.
Repeatable: No

♦

EDU 319 Classroom Climate Management Secondary (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to Teacher Education program.
Co-requisite(s): EDU 393, EDU 324, EDS 324.
Taught: Fall and spring
Current research and theory related to developing, maintaining, and managing effective secondary grades classroom climate.
Repeatable: No

♦

EDU 320 Family Engagement in the Home, School and Community (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Study of factors contributing to effective relationships with families of young children in home and center-based settings.
Repeatable: No

EDU 321 Non Certification Admissions Field Experience (2 Credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 313 and 45 semester hours.
Co-requisite(s): 2.75 minimum overall GPA and FBI background check.
Taught: Fall and Spring
Field experience for ECE Non-Cert students who plan to teach children ages birth-five in a variety of settings.
Repeatable: No

♦

EDU 324 Fundamentals of Secondary Education (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program.
Co-requisite(s): EDU 393, EDU 319, EDS 324.
Taught: Fall and spring
Principles and strategies for effective secondary school teaching; curriculum planning, general teaching methods, and evaluation strategies.
Repeatable: No

♦

EDU 325 Educational Assessment Secondary (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the Teacher Education Program.
Co-requisite(s): EDU 396.
Taught: Fall and spring
Concepts and principles of testing needed to select, construct, and interpret assessment instruments used in schools. This course is open to secondary education majors only.
Repeatable: No

♦

EDU 330 Teaching Science in Secondary School (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in at least 24 credit hours which vary according to major.
Taught: Fall only
Principles and methods for teaching secondary school science concepts, skills, and processes in accordance with national and state standards with emphasis on inquiry including design, implementation, assessment, and evaluation, and reflection-on-practice strategies in connection with technology, meeting all students' needs and integration across the curriculum.
Repeatable: No

♦

EDU 331 Teaching Social Studies in Secondary School (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program, or concurrently with admission semester.
Taught: Fall only
Principles and practices related to teaching social studies in accordance with state and national standards; basic social studies skills, professional content, and planning, implementing, and

evaluating instruction.
Repeatable: No

♦

EDU 333 Teaching Math in Secondary School (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 129, MAT 229, MAT 234 or MAT 128, MAT 227, MAT 228 and MAT 234.
Taught: Fall and spring
Principles and methods for teaching concepts, skills, and relationships in secondary mathematics in accordance with national and state standards including number/computation, geometry/measurement, probability and statistics, and algebraic ideas, and the appropriate use of manipulative and technology tools.
Repeatable: No

♦

EDU 334 Portfolio Development (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
The purpose of this course is to teach students the curriculum standards and teaching methods necessary for a professional career as a teacher.
Repeatable: No

EDU 343 Educational Assessment Middle Schools (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to Teacher Education program.
Co-requisite(s): EDU 318 and EDU 394
Taught: Fall and spring
Concepts and principles of testing needed to select, construct, and interpret assessment instruments used in schools. This course is open to Middle Grades education majors only.
Repeatable: No

♦

EDU 344 Fundamentals of Middle Grades Education (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program.
Co-requisite(s): EDU 304 and EDU 391.
Taught: Fall and spring
Philosophy and learning theories forming the basis of the middle grades concept; curriculum and lesson planning; including the framework of general teaching methods and motivation.
Repeatable: No

♦

EDU 345 Teaching Language Arts in Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDU 391 or *EDU 394* .
Taught: Variable
Theory, content, and instructional strategies for teaching language arts in the middle grades; including national and state standards.
Repeatable: No

♦

EDU 346 Teaching Science in Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDU 391 or EDU 394
Taught: Variable
Principles and methods for teaching middle school science concepts, skills, and processes in accordance with national and state standards with emphasis on inquiry including design, implementation, assessment and evaluation, and reflection-on-practice strategies in connection with technology, meeting all students' needs and integration across the curriculum.
Repeatable: No

♦

EDU 347 Teaching Math in Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDU 391 or *EDU 394* .
Taught: Variable
Principles and methods for teaching concepts, skills, and relationships in middle grades mathematics in accordance with national and state standards including number/computation, geometry/measurement, probability and statistics, and algebraic ideas, and the appropriate use of manipulative and technology tools.
Repeatable: No

♦

EDU 348 Teaching Social Studies in Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDU 391 or *EDU 394*.
Taught: Variable
Theory, content, and instructional strategies for teaching social studies in the middle grades; including national and state standards.
Repeatable: No

♦

EDU 350 Instructional Design (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Sophomore standing
Taught: Fall and spring
Examination of teaching and learning in non-school contexts including instructional design, pedagogy, and assessment.
Repeatable: No

♦

EDU 354 Read/Write Across Curriculum-Secondary (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: EDU 324, EDU 393
Taught: Fall and spring
Principles and practices related to reading and writing across the curriculum in grades 5-12. Topics include literacy theories and pedagogy, reading comprehension, writing, vocabulary, and assessment.
Repeatable: No

♦

EDU 388 Elementary Field Experience I (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Admission to the teacher education program; successful completion of EDU 307.
Co-requisite(s): EDU 302, EDU 314, EDS 322.
Taught: Fall and spring
Field experiences in elementary schools; including application of

instructional theory to elementary classroom settings.
Repeatable: No

♦

EDU 389 Elementary Field Experience II (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Successful completion of Elementary Practicum I.
Co-requisite(s): EDU 306, EDU 308, EDU 312, and EDU 315.
Taught: Fall and spring
Advanced field experience in elementary schools; including practice in planning and implementing instructional strategies and theory.
Repeatable: No

♦

EDU 391 Middle Grades Field Experience I (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): successful completion of EDU 309 or EDU 334
Co-requisite(s): EDU 304, EDU 344 and EDS 323.
Taught: Fall and spring
Field experience in middle grade schools; including application of instructional theory to middle-grade classroom settings.
Repeatable: No

♦

EDU 393 Secondary Field Experience I (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): EDU 319, EDU 324.
Taught: Fall and spring
Field experience in secondary schools; including application of instructional of instructional theory to secondary classroom settings.
Repeatable: No

EDU 394 Middle Grades Field Experience II (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): EDU 391
Co-requisite(s): EDU 318 and EDU 343
Taught: Fall and spring
Advanced field experience in middle grades schools; including practice in planning and implementing instructional strategies and theory.
Repeatable: No

♦

EDU 395 IECE Field Experience I (3 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Minimum 2.75 GPA.
Taught: Variable, check with department
Practice in assessing, planning and implementing instruction in classroom early childhood settings. Pass/Fail.
Repeatable: No

♦

EDU 396 Secondary Field Experience II (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): EDU 325.
Taught: Fall and spring
Advanced field experiences in secondary schools; including practice in planning and implementing instructional strategies and theories.
Repeatable: No

EDU 397 IECE Field Experience II (3 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Minimum 2.75 GPA.
Taught: Variable, check with department
Practice in assessing, planning and implementing instruction in non- classroom early childhood setting. Pass/Fail.
Repeatable: No

♦

EDU 398 Non-certification Field Experience I (3 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Minimum GPA 2.75
Taught: Spring only
Practice in assessing, planning and implementing instruction in a variety of non-public school preschool settings.
Repeatable: No

♦

EDU 399 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): departmental permission.
Taught: Variable, check with department
Individualized study of a special topic under supervision of a faculty member. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EDU 445 Introduction to Environmental Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall only
Introduction to the field of environmental education, including the history and philosophy, methodologies, state initiatives, national standards, and current trends in the field.
Repeatable: No

♦

EDU 446 Strategies for Environmental Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
Principles and goals, curriculum models, teaching strategies, classroom and community resources, outdoor education, and research.
Repeatable: No

♦

EDU 447 Outdoor Learning Environments (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
Students will learn about the impact of outdoor education, available resources, and opportunities for engaging students in outdoor learning environments, such as school gardens, outdoor classrooms and field trips.

Repeatable: No

♦

EDU 448 Teaching about Environmental Issues (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Summer only
Students will investigate, evaluate and reflect on global and regional environmental issues, as well as develop action based appropriate solutions.
Repeatable: No

♦

EDU 490 Non-certification Final Field Experience (6 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Minimum 2.75 GPA; successful completion of EDU 397 and EDU 398, senior standing.
Taught: Fall and spring
Supervised culminating experience in programs for children and their families for students completing Early Childhood Education Non-certification track.
Repeatable: No

♦

EDU 491 Clinical Experience in IECE (12 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): Minimum 2.75 GPA and successful completion of EDU 395 and EDU 397.
Taught: Fall and spring
Supervised culminating classroom experience in schools for students completing Early Childhood Education IECE Certification track.
Repeatable: No

♦

EDU 492 Clinical Experience Elementary with Special Education (12 credits)
Hours: 0 classroom + 12 lab/studio
Taught: Fall and spring
Classroom experiences through observing, planning, and teaching supervised by an experienced teacher; eight-week assignment to an elementary classroom grades K-5; eight week assignment to a special education program grades P-12.
Repeatable: No

EDU 493 Clinical Experience Middle Grades with Special Education (12 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): Admission to middle grades and special education student teaching program.
Taught: Fall and spring
Classroom experiences through observing, planning, and teaching under supervision of an experienced teacher: eight-week assignment to a middle grades classroom, grades 5-9; eight-week assignment to a special education program grades P-12.
Repeatable: No

♦

EDU 494 Clinical Experience Elementary (12 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): admission to the elementary education student teaching program.
Taught: Fall and spring
Classroom experiences through observing, planning, and teaching under supervision of an experienced teacher; one-half semester assignment to each of two non-consecutive elementary classroom grades P-5.
Repeatable: No

♦

EDU 495 Clinical Experience Middle Grades (12 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): admission to the middle- grades student teaching program.
Taught: Fall and spring
Classroom experiences through observation, planning, and teaching under supervision of an experienced middle-grades teacher; grades 5-9.
Repeatable: No

♦

EDU 496 Clinical Experience Secondary (12 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): Admission to secondary student teaching.
Taught: Fall and spring
Classroom experiences through observation, planning, and teaching under supervision of an experienced secondary teacher; full semester assignment to a secondary classroom, grades 8-12.
Repeatable: No

♦

EDU 497 Clinical Experience Secondary with Special Education (12 credits)
Hours: 0 classroom + 12 lab/studio
Taught: Fall and spring
Classroom experiences through observing, planning, and teaching supervised by an experienced teacher; eight-week assignment in a secondary classroom grades 8-12; eight-week assignment to a special education program grades P-12.
Repeatable: No

EDU 500 Core Principles of Early Childhood Edu (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Study of development, theories and appropriate practice for children ages 0-8 years.
Repeatable: No

EDU 517 Teaching of Phonics in Elementary/Middle (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For undergraduates: admission to teacher education program. For post-baccalaureate and graduate students: permission of instructor.
Taught: Variable, check with department
Methods and materials to focus on phonics as part of reading instruction; use of children's literature to teach phonics in context.
Repeatable: No

♦

EDU 522 The Mindful Helping Professional (1-4 variable credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
This course for helping professionals introduces themes and practices in Mindfulness. Self-paced modules help students explore and incorporate mindfulness characteristics in oneself and others.
Repeatable: No
♦

EDU 523 The Mindful Leader (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher
Taught: Fall and spring
This online course for current and future leaders introduces themes and practices in Mindfulness. Self-paced modules help learners explore and incorporate mindfulness characteristics in oneself, others, and in leadership.
Repeatable: No

EDU 525 Differentiated Literacy Instruction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Undergraduates: Admission to the Teacher Education Program; Graduates: Enrolled in the MAED Program or Permission of Instructor.
Taught: Variable, check with department
This course is designed to give pre-service and in-service teachers a more in depth understanding of the need to differentiate literacy instruction to meet the needs of increasingly diverse students. Students will survey major issues in appropriate differentiated literacy instruction, with many instructional practices that will be discussed, modeled, and/or evaluated.
Repeatable: No
♦

EDU 530 Reading in Middle and Secondary Schools (1.5-3 credits)
Hours: 1.5-3 classroom + 0 lab/studio
Prerequisite(s): Admission to Teacher Education, MAED, or MAT programs
Taught: Spring
Principles and procedures related to reading and literacy in grades 5-12; reading theory, reading skills and strategies, and study skills across content fields.
Repeatable: Yes
If Repeatable, Max. Credits: 3

EDU 534 Rural Leadership and Progress (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Variable, check with department
Examination of contemporary issues facing rural communities in the United States, and the utilization of research to create practical programs of improvement relevant to the student's own contextual setting.
Repeatable: No
♦

EDU 535 Rural Field Implementation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 534.
Taught: Variable, check with department
Examination of contemporary issues facing rural communities in the United States, and the utilization of research to create practical programs of improvement relevant to the student's own contextual setting. This course will include implementation of the Action Plan as formulated in EDU 534: Rural Leadership and Progress.
Repeatable: No
♦

EDU 540 Teaching the Underground Railroad (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check w/ department
Research about the Underground Railroad, with an emphasis on local history, to assist teachers in classroom instruction.
Repeatable: No

EDU 544 Aquatic Ecology for Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Integration of biology, geology, meteorology, chemistry, and physical sciences to examine water quality through field-based investigation of the Ohio River and streams. Students apply the content and skills learned during the course to the State/School District Science Standards and a lesson plan.
Repeatable: No

EDU 545 Fundamentals of Environmental Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Introduction to the field of environmental education, including the history and philosophy, methodologies, state initiatives, national standards, and current trends in the field.
Repeatable: No
♦

EDU 546 Teaching Environmental Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check w/ department
Principles and goals, curriculum models, teaching strategies, classroom and community resources, outdoor education, and research.
Repeatable: No
♦

EDU 547 Teaching and Learning in the Outdoors (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
Students will learn about the impact of outdoor education, available resources, and opportunities for engaging students in outdoor learning environments, such as school gardens, outdoor classrooms and field trips.
Repeatable: No
♦

EDU 548 Environmental Issues for Educators (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Summer only
Students will investigate, evaluate and reflect on global and regional environmental issues, as well as develop action based appropriate solutions.
Repeatable: No
♦

EDU 550 Current Trends in Early Childhood Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Examination of current issues, trends, public policy, and research in early childhood education.
Repeatable: No

EDU 551 Preschool Education and Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the teacher education program; EDS 360.
Taught: Fall even year, Summer odd year
Overview of preschool curricula, history of early childhood education, and study of developmentally appropriate activities across subject areas.
Repeatable: No
♦

EDU 552 Infant Toddler Education and Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall-odd years, Summer-even years
The relationship of child development theory and developmentally appropriate practice in group settings for infants and toddlers.
Repeatable: No

EDU 554 Language Development and Emergent Literacy (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Overview of historical and theoretical concepts, assessment of early literacy development, and strategies for facilitating reading, writing, and language instruction across various early childhood settings.
Repeatable: No

EDU 565 Early Childhood Assessments for Screening (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Overview of the purpose of assessment and critical components of an on- going assessment system, especially for screening young children. Course content includes analysis of recommended practices in assessment; definition of attributes that fit the purpose of assessment; and study of factors related to assessment tool rigor.
Repeatable: No

EDU 566 Ongoing Assessment in Early Childhood Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 562 or equivalent.
Taught: Spring only
Overview of on-going curriculum-based assessment systems for observing and documenting young children's growth, development and learning.
Repeatable: No
♦

EDU 567 Math and Science Exploration PreK-3rd (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Integrated mathematics and science learning experiences from both the Early Childhood Education teacher and the students perspectives emphasizing exploration, problem-solving, and discourse. REQUIRED for IECE and Non-Certification tracks.
Repeatable: No

EDU 568 Administration and Supervision in Early Childhood Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to teacher education program and EDS 360.
Taught: Spring only
The study of strategies and dispositions needed for managing effective early childhood programs.
Repeatable: No
♦

EDU 569 Kindergarten Education and Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Overview of kindergarten history, curricula, and study of developmentally appropriate strategies and activities across subject areas. REQUIRED for IECE and Non-Certification tracks.
Repeatable: No

EDU 575 Language Arts Methods Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): COEHS Advising Center permission.
Taught: Variable, check with department
Advanced objectives, curricula, and instructional strategies to teach state and national language arts standards in the middle grades.
Repeatable: No
♦

EDU 576 Science Methods Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Teacher Education Department Permission.
Taught: Variable, check with department
Advanced objectives, curricula, and instructional strategies to teach state and national science standards in the middle grades.
Repeatable: No
♦

EDU 577 Mathematics Methods Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Teacher Education Department Permission.
Taught: Fall and spring
Advanced objectives, curricula, and instructional strategies to teach state and national math standards in the middle grades.
Repeatable: No

♦

EDU 578 Social Studies Methods Middle Grades (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Teacher Education Department Permission.
Taught: Variable, check with department
Advanced objectives, curricula, and instructional strategies to teach state and national social studies standards in the middle grades.
Repeatable: No

♦

EDU 592 Educational Capstone Seminar (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junios standing
Taught: Fall and spring
The Capstone Seminar is designed to be an intensive experience in critical analysis; to broaden students' perspectives beyond their culture or discipline and provide an opportunity for integration of previous courses in the major and in the core curriculum.
Repeatable: No

♦

EDU 594 Topics: Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various advanced topics in education.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EDU 599 Independent Study: Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individual supervised readings and study of a selected topic in education. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EDUCATION - SPECIAL EDUCATION

EDS 322 Instructional Planning for Inclusive Elementary Classrooms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 360 or PHE 325 or permission of instructor.
Co-requisite(s): EDU 388 or EDU 391 or EDU 393.
Taught: Fall and spring
Designing elementary classroom instruction that meets the diverse needs of all students; collaborative skills that support inclusive practices.
Repeatable: No

♦

EDS 323 Instructional Planning for Inclusive Middle Level Classrooms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 360 or PHE 325 or permission of instructor.
Co-requisite(s): EDU 391.
Taught: Fall and spring
Designing middle level classroom instruction that meets the diverse needs of all students; collaborative skills that support inclusive practices. Open to Middle Level Education majors only.
Repeatable: No

♦

EDS 324 Instructional Planning for Inclusive Secondary Classrooms (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 360 or PHE 325 or permission of instructor.
Co-requisite(s): EDU 393.
Taught: Fall and spring
Designing secondary classroom instruction that meets the diverse needs of all students; collaborative skills that support inclusive practices.
Repeatable: No

♦

EDS 360 Students with Exceptionalities in School (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Co-requisite(s): EDU 303, EDU 307, EDU 309, and EDU 311.
Taught: Fall and spring
Nature and needs of students with exceptionalities; overview of educational programming and legal issues in special education.
Repeatable: No

♦

EDS 360H Students with Exceptionalities Honors (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable, check w/ department
Nature and needs of students with exceptionalities, overview of educational programming and legal issues in special education.
Repeatable: No

♦

EDS 362 Applied Behavior Analysis for Students with Disabilities (3 credits)
Hours: 3 classroom + 0 lab/studio
Co-requisite(s): EDS 464, EDS 472, and EDS 473.
Taught: Fall only
Principles of behavior analysis and research; classroom examples of behavior applications with students with disabilities.
Repeatable: No

EDS 364 Characteristics of Learning Disabilities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 360.
Taught: Spring only

Covers the nature and needs of students with learning disabilities and the implications of language development on student learning. Knowledge of the history of the field, definitions and causes, eligibility criteria, and examples of the learning and behavior issues associated with LD will be presented.
Repeatable: No

♦

EDS 365 Characteristics of Emotional/Behavioral Disorder (3 credits)
Hours: 3 classroom + 0 lab studio
Prerequisite(s): EDS 360.
Taught: Spring and summer
Covers the nature and needs of students with Emotional/ Behavioral Disorders and the development of positive classroom structures and procedures for supporting these students. Knowledge of the history of the field, definitions and causes, eligibility criteria, and examples of the learning and behavior issues associated with EBD will be presented.
Repeatable: No

♦

EDS 452 Education, Advocacy and Dis/Ability (1 Credit)
Hours: 1 classroom + 0 lab/studio hours
Prerequisite(s): Sophomore standing OR Permission of instructor
Taught: Fall and spring
This course explores society's response to disability and difference, focusing on inclusion versus exclusion in social, educational, and professional communities. Pop culture and media will be explored to determine how common perceptions of disability are perpetuated. Strategies for promoting equity and inclusion will be promoted.
Repeatable: No

EDS 453 Mentoring Field Experience 2 credits
Hours: 1 classroom + 0 lab/studio hours
Prerequisite(s): Sophomore standing OR Permission of Instructor
Taught: Fall and spring
Provides hands-on experiences supporting individuals with an intellectual disability (ID) through a structured field experience. Collaborating with a mentoring partner with ID, students will learn about disability from others who live the disability experience while providing needed supports for negotiating the social, academic, and work opportunities on the NKU campus.
Repeatable: Yes
If Repeatable, Max. Credits: 6 credits

EDS 464 Assessment Learning and Behavior Disorders (3 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): EDS 364.
Co-requisite(s): EDS 362, EDS 473, and EDS 472.
Taught: Fall only
Principles and procedures of assessment for eligibility determination of students with exceptional abilities and monitoring of student progress.
Repeatable: No

♦

EDS 472 Special Education Methods and Materials (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 364.
Co-requisite(s): EDS 362, EDS 464, and EDS 473.
Taught: Fall only
Materials, equipment, and methods for teaching students with learning and behavior disorders.
Repeatable: No

♦

EDS 473 Special Education Field Experience (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): EDS 362, EDS 464 and EDS 472.
Taught: Fall only
Experiences in application of assessment, behavior intervention, and instructional methods with students with learning and behavior disorders. Pass/Fail.
Repeatable: No

EDS 551 Assistive Technology in the Classroom (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only-odd yrs
Evaluating for assistive technology; approaches and devices for communication, mobility, and sensory impairments; distances learning technology for transition to the community and post school careers.
Repeatable: No

EDS 561 Intellectual and Orthopedic Disabilities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Undergraduates must be admitted in to Teacher Education.
Taught: Fall and spring
Characteristics and educational programs for students who have intellectual disabilities or orthopedic and/or health impairments.
Repeatable: No

♦

EDS 562 Early Childhood Special Education Programs (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDS 360 or equivalent.
Taught: Fall only
Building on knowledge of child development, students will learn to adapt curricula and intervention approaches to support children with special needs.
Repeatable: No

♦

EDS 570 Working with Families of Students with Disabilities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Undergraduates must be admitted in to Teacher Education.
Taught: Fall and spring
Information, skills, and resources for effective interaction with parents and families of children with disabilities.
Repeatable: No

♦

EDS 572 Secondary Special Education Programs (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Undergraduates must be admitted in to Teacher Education.
Taught: Fall and spring
Characteristics of adolescents with learning and behavior disorders; educational programming for secondary students with mild disabilities.
Repeatable: No
♦

EDS 588 Professional Laboratory Experiences (3-6 credits)
Hours: 0 classroom + 3-6 lab/studio
Prerequisite(s): Completed coursework for certification; valid teaching certificate.
Taught: Fall and spring
Classroom field experience in added area of certification; individual project.
Repeatable: No
♦

EDS 599 Independent Study: Special Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Departmental permission.
Taught: Variable, check with department
Individualized study of a special topic under supervision of a faculty member. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ELECTRONIC MEDIA & BROADCASTING

EMB 100 Media Literacy - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamental concepts of mediated communication; analysis of roles, functions, and influence of media on individuals and society. This course will cast a critical eye on the media that we interact with each day: radio, television, newspapers, magazines, books, films, and the Internet. We will dissect media's history and its vast reach into our daily lives and culture. The goal of this course is to stimulate your critical thinking concerning media and its effects, both historically and currently, and to make you as a student and consumer more aware of the power that media and media companies hold. After taking this course you should be able to recognize, interpret, encode and articulate your opinions on media messages.
Repeatable: No
General Education Credit: Culture and Creativity

EMB 101 Electronic Media Appreciation 1 (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
In this seminar course, students will broaden their media intake by attending various media screenings and related events at NKU and throughout the community. Content varies by semester. The course is worth one credit.
Repeatable: No

EMB 102 Electronic Media Production Assistance 1 (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EMB 101
Taught: Fall and spring
In this practicum course, students will broaden their understanding of production by serving as production assistants for upper-level student, community, or professional work.
Repeatable: No
♦

EMB 105 Media in a Diverse Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Media's influence on perceptions of diversity in the U.S. and abroad - the local, national, and international influence of economics, politics, ideologies, cultures, and education on individuals and society with regard to media portrayals, production, and use; historical development of the portrayals of various groups of people characterized by race, gender, ethnicity, social class, disabilities, sexual orientation, etc.
Repeatable: No
General Education Credit: Cultural Pluralism

EMB 110 Introduction to Mass Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Introduction to program and profession; organization, operations, programming, audience measurement, and impact of electronic media; legal, economic and social controls of radio, TV, cable, new media, and corporate media within a historical framework.
Repeatable: No

EMB 140 Introduction to Media Aesthetics (3 credits)
Hours: 2 classroom + 4 lab/studio
Taught: Fall and spring
Introduction to the aesthetics, theories, and basic technologies that impact the of creation of audio, video and interactive media. A course grounded in theoretical concepts with practical application.
Repeatable: No

EMB 201 Media Appreciation and Assistance 2 (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EMB 102
Taught: Fall and spring
Students will broaden their media intake and understanding of production by attending screenings and related events at NKU and throughout the region, and by serving as crew for upper-level student work, community and professional productions. The course is a continuation of EMB 101 and EMB 102.
Repeatable: No
♦

EMB 210 Single Camera Production (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 140 with a C or better.
Taught: Fall and spring
Introduction to small format, video program design and

development; theory and practice of single camera storytelling and editing.
Repeatable: No

♦

EMB 215 Audio Production (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 140 with a C or better.
Taught: Fall and spring
Theory and practice in planning and producing audio program elements typical of the present industry; coordinating the control console; audio recording, mixing, and editing in a digital audio workstation.
Repeatable: No

♦

EMB 230 Broadcast Announcing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 215 with a C or better.
Taught: Variable, check with department
Theory and practice in delivery techniques for media, including work on voice, diction, and pronunciation; development of a cultural framework essential for versatility in announcing; interpretation of the most commonly used scripts in broadcasting; the studio interview.
Repeatable: No

♦

EMB 260 Writing for the Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Successful completion of General Education Written Communication II requirement.
Taught: Fall and spring
An introduction to the formats and writing styles used in media. Emphasis is placed upon writing for the eye and ear when creating scripts that will ultimately serve as the basis for media productions.
Repeatable: No

♦

EMB 305 Multicamera Video Production (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 210 and EMB 215 with a C or better.
Taught: Fall and spring
Principles and techniques of directing both scripted and non-scripted multi-camera studio-based productions; examination of problems of the director and aesthetics of television; discussion, selected readings, and productions.
Repeatable: No

♦

EMB 307 Broadcast Programming (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 110 with a C or better.
Taught: Spring only
Strategies of program selection, scheduling, and evaluation; audience ratings, research, and analysis.
Repeatable: No

♦

EMB 308 Electronic News Gathering (3 Credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C or better in EMB 210 or JOU 380 .
Taught: Fall only
This course develops the principles of single camera electronic newsgathering and provides students the opportunity to develop their skills as a storyteller and creator of high quality, professional media productions.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 310 Newscast Production (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 140 or JOU 230 with a C or better.
Taught: Fall and spring
Television studio-based classwork focused upon the creation of a newscast with an emphasis on newscast producer and newscast director.
Repeatable: No

♦

EMB 311 Evolution of Electronic Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 110 with a C or better.
Taught: Variable, check with department
Development of electronic media, principally in the U.S., from their origin as 19th century instruments of science to the present; broadcasting as a vehicle of expression and as an industry.
Repeatable: No

♦

EMB 315 Media Performance (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 230 with a C or better.
Taught: Variable, check with department
Theory and practice in television performance techniques; interpretation and use of scripts in television; various non- scripted types of performance; work on the commercial, the public service announcement, the newscast, and the interview.
Repeatable: No

♦

EMB 320 Multitrack Audio Mixing (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 215 with a C or better.
Taught: Spring only
Practicum in advanced audio production including multitrack recording in a studio environment; editing and mixing techniques for music production, ADR, and Foley.
Repeatable: No

♦

EMB 322 Video Editing (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Completion of EMB 210 with a C or better.
Taught: Spring only
Concepts and techniques of digital, non-linear video editing.

Repeatable: No

♦

EMB 326 Digital Compositing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 210 or DFX 307 with a C or better.
Taught: Fall only
This course introduces the theoretical and aesthetic elements germane to the creation of composited graphics and video. Students will create their own composite projects using provided and self-created elements.
Repeatable: No

♦

EMB 330 Live Broadcast Production (3 Credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): EMB 305 or EMB 310.
Taught: Spring only
Through successful completion of this course, students will develop the skills necessary to execute a live television event by actively participating in the actual production of such telecasts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 335 Sports Media Production (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): EMB 210 with a C or better.
Prerequisite OR Co-requisite: EMB 201
Taught: Fall Only
An introduction to the theory and practice of live sports media production. Students will explore and perform the roles and duties that accompany a live sports production and will produce broadcast quality television sports productions for NKU Athletics.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 340 Film Festivals (3 credits)
Hours: 3 classroom + 0 lab/studio hours
Prerequisite(s): EMB 210 or instructor permission
Taught: Fall only
The study of film festivals and their historic and current role in filmmaking, distribution, networking, and audience building. Students learn how and why to submit their own work to festivals and host two festivals for NKU students and for regional high school students.
Repeatable: No

EMB 370 International Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 110 with a C or better.
Taught: Variable, check with department
Survey and analysis of the social, cultural, economic, and political factors that influence the creation and consumption of media around the world.
Repeatable: No

♦

EMB 380 Documentary Theory and History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing
Taught: Spring only
Development of film and television documentary mode; theoretical paradigms used to critically study documentaries.
Repeatable: No

♦

EMB 394 Topics: Electronic Media & Broadcasting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Taught: Variable, check with department
Focused study of a specific and significant topic concerning electronic media and broadcasting. Topics vary from semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 395 Special Topics: Study Away (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with department.
Taught: Variable, check with department
Course includes a classroom portion and a travel experience inside the United States.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 396 Internship: Electronic Media and Broadcasting (3-6 credits)
Hours: 0 classroom + 3-6 lab/studio
Prerequisite(s): Junior or senior standing and GPA of at least 2.75, or consent of instructor.
Prerequisite OR Co-requisite: EMB 201
Taught: Fall and spring
Selected placement of qualified students in off-campus telecommunications (television, radio, or audio facilities. Work experiences include programming, writing, production, sales, promotion, and management and may involve broadcast or non-broadcast facilities.
Repeatable: No
Available High Impact Practices: internship

♦

EMB 397 Projects (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Written consent of instructor.
Prerequisite OR Co-requisite: EMB 201
Taught: Variable, check with department
Practical application of various broadcasting techniques.
Repeatable: Yes
If Repeatable, Max. Credits: 6

Available High Impact Practices: research/creativity

♦

EMB 400 Media Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 110 with a C or better; junior or senior standing.
Taught: Fall and spring
Seminar designed to develop an increased sensitivity to the effectiveness of broadcasting in fulfilling its societal role both as an art form and as a vehicle for the dissemination of information to society. Criteria of criticism are developed largely in response to broadcast programming.
Repeatable: No

♦

EMB 421 Narrative Directing (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Completion of EMB 210 with a C or better.
Taught: Fall only
This course is focused on the theory and practice of directing narrative digital cinema projects. Students will develop their individual cinematic storytelling skills while creating short films.
Repeatable: No

♦

EMB 423 Documentary Production (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 210 with a C or better.
Taught: Fall only
This course involves planning and producing video documentaries. Students will develop the tools to tell reality-based stories, to document and give voice to ideas and perspectives on events from our shared world to raise public awareness about social matters.
Repeatable: No
Available High Impact Practices: research/creativity

♦

EMB 424 Digital Cinema Projects (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 210 with a C or better.
Taught: Spring only
Exploration and execution of the cinematic production process. Students fill a specific role for each collaborative project with the goal of creating festival-quality short films.
Repeatable: No

♦

EMB 425 Multicamera Arts and Events Production (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): Completion of EMB 210 with a C or better.
Taught: Variable, check with department
This course is a hands-on practical class that utilizes television multi-camera skills to produce an in-studio music program for television distribution.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 435 Media Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
This course explores a genre of media along with the historical position, development and social significance of the genre. The specific approach and genre may vary with each session.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 450 Screenwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of EMB 260 with a C or better.
Taught: Fall and spring
This course examines, through significant writing exercises, the techniques and practices of writing longform narrative cinematic productions.
Repeatable: No

♦

EMB 460 Production Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in EMB 210.
Taught: Fall and spring
This course trains students to develop movies, documentaries and television programs. Addresses planning, organizing, budgeting, motivation, staffing, and controlling media productions of various scales.
Repeatable: No

♦

EMB 492 Directed Research or Creative Work (0-6 credits)
Hours: 0 classroom + 0-6 lab/studio
Prerequisite(s): Junior Standing or Instructor Permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EMB 495 Special Topics: Study Abroad (1-3 credits)
Hours: 0-1 classroom + 1-3 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12

Available High Impact Practices: research/creativity

♦

EMB 499 Independent Study (0-3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Junior or senior standing; minimum GPA of 2.50; written consent of instructor.
Taught: Variable, check with department
Individually supervised work involving reading, research and/or production in a specified area of interest. Topic selected before registration in conference with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENGINEERING TECHNOLOGY

EGT 110 Introduction to Engineering/Technology - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 101, or Math ACT score of 22 or higher.
Taught: Fall, spring, and summer
The course introduces concepts from introduction to computer graphics and parametric design, basic electronics, basic mechanics, and engineering calculations; technology computer applications; and spreadsheets for engineering calculations.
Repeatable: No
General Education Credit: Natural Science
♦

EGT 116 Introduction to Manufacturing (3credits)
Hours: 2 classroom + 1 lab/studio
Taught: Fall and spring
Fundamentals of welding and metal processing methods; metal casting, shaping, metal forming, bulk deformation processes.
Repeatable: No

EGT 161 DC Circuit Analysis (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): MAT 102 or Math ACT score of 25 or higher.
Taught: Fall and spring
Basic laws and theories, voltages, current, power, and resistance; resistive circuits in direct current circuits; analysis and applications. Mesh and node equations used in circuit analysis.
Repeatable: No
♦

EGT 162 Industrial Electricity (3 credits)
Hours: (2 classroom + 1 lab/studio)
Prerequisite(s): MAT 101 *OR ACT math score of 22 or higher OR ALEKS score of 30 or higher*
Taught: Fall and spring
Students will learn the fundamentals of DC and AC circuits, networks, electrical code, and Industrial applications of electrical theory and circuitry.
Repeatable: No
♦

EGT 211 Quality Control (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): STA 205.
Taught: Fall and summer
Control and assurance of quality and reliability; management of quality function in the industrial setting.
Repeatable: No
♦

EGT 212 Computer-Aided Drafting and Design (3 credits)
Hours: 2 classroom + 1 lab/studio
Taught: Fall and spring
Fundamentals of computer-aided drafting; production of technical drawings using CAD software; working drawings; standard machine elements; tolerance dimensioning.
Repeatable: No

EGT 243 AC Circuit Analysis (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): MAT 119 and either EGT 161 or PHY 222.
Taught: Fall only
Application of basic electrical circuit analysis to alternating current systems; capacitors, inductors, transformers, and circuits using these components. Mesh and loop analysis, multiphase.
Repeatable: No
♦

EGT 245 Digital Electronics (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): MAT 119
Prerequisite OR Co-requisite: EGT 161 or PHY 222.
Taught: Spring only
Digital circuits; logic, registers, counters, arithmetic circuits, and memories.
Repeatable: No
♦

EGT 260 Industrial Standards, Safety, and Codes (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
This course is designed to teach an overview of the standard or occupational health systems such as: Six Sigma, ISO 9001, ISO 1400, OSHA standards, ISO 13485, or Baldrige Criteria.
Repeatable: No

EGT 261 Engineering Materials (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): CHE 130
Taught: Fall only
Structures, properties, applications, and failure modes of materials, both metallic and nonmetallic; heat treatment and processing effects on microstructure; introduction to chemical properties; principles and applications of destructive and nondestructive testing.
Repeatable: No
♦

EGT 265 Manufacturing Processes and Metrology (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite OR Co-requisite: EGT 116.
Taught: Spring only
Principles and applications of precision machining, volume production, assembly methodology, advanced concepts in manufacturing operations, and introduction to metrology (e.g.

calibration, documentation, and standards are discussed).
Repeatable: No

♦

EGT 267 Programming for Engineering Applications (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 161 or EGT 162 or PHY 222.
Taught: Fall and spring
Engineering programming using Integrated Development Environment. Topics include: data types, control flow, decisions, functions, routines, algorithms, real time considerations, embedded applications, and use of micro-controllers (e.g. Arduino, Raspberry Pi) for engineering applications, case studies, projects, and problems as applied to Engineering Technology applications (e.g. LabView environment).
Repeatable: No

♦

EGT 280 Introduction to Microtechnology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s):
Taught: Spring and summer
Introduction to microtechnology including materials properties (physical, thermal, electrical, and mechanical), fundamentals of microfabrication including various deposition methods, photolithography, etching, LIGA electroplating, and self-assembly characterization of small structures and applications of microdevices such as MEMS sensors and actuators, accelerometers, optical switches and microfluidics.
Repeatable: No

♦

EGT 291W Writing in Engineering Technology - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 or ENG 104.
Taught: Spring only
Introduction to writing for the engineering and engineering technology professions. Definitions, descriptions, presentations, reports, manuals, and proposals are covered. Reader-centered, process-driven writing and presentation skills are developed centered on the engineering professions. Open to engineering technology, pre-engineering, or others with permission of the instructor.
Repeatable: No
General Education Credit: Written Communication II

♦

EGT 292 Research Experience in Engineering Technology (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and department chair.
Taught: Fall, spring, and summer
Original research work directed by one or more members of the engineering technology faculty. May be taken more than once. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

EGT 300 Statics and Strength of Materials (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PHY 211 or PHY 220, MAT 119 or MAT 128.
Taught: Fall only
Theory and application of the mechanics of rigid bodies in equilibrium; mechanical properties of materials; stress; strain; torsion; shear force and bending moments; beam deflection; combined loading.
Repeatable: No

♦

EGT 301 Cooperative Education in Engineering Technology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Fall, spring, and summer
This course provides students an opportunity to apply the knowledge and skills they are learning in the classroom to an employment position in business or industry. It allows students to test and refine career plans and interests; gain experience in their field of specialty before they begin searching for a permanent position; and build a network of professional contacts from which they may draw technical and employment information.
Repeatable: No

♦

EGT 310 Project Management and Problem Solving (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): STA 205.
Taught: Fall and spring
Industrial project management practices: project implementation methods; resource selection; risks and failures; project management tools and techniques related to manufacturing projects. Problem-solving models; quantitative and qualitative decision-making strategies, including economic analysis; ethical, environmental, and social issues; impact of creative thinking, critical thinking, and problem solving on the design and quality of products and services.
Repeatable: No

♦

EGT 318 Introduction to Nanotechnology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 130 or CHE 120
Taught: Fall and summer
Introduction to nanotechnology, fabrication and characterization of nano-scale structures, properties of nanostructures, nanostructured materials, wires and dots, nanobiology/nanomedicine, nanomagnetics, nanotubes, nanoelectronics, and nanoelectromechanical systems.
Repeatable: No

♦

EGT 320 Robotic Systems and Material Handling (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 161 or EGT 162 or PHY 222
Taught: Spring only

Structure and operational characteristics; principles and theory of robot movement, robot teach/programming, program languages, robot arm, robot controller, work station. Material handling related to manufacturing, warehousing, type of equipment used and different concepts of material handling are covered.
Repeatable: No

♦

EGT 321 Productivity Management, Scheduling, and Planning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 119 and EGT 211.
Taught: Fall only
The integration of systems required to improve work flow through the system, scheduling and coordination of projects. Systems of time management and work simplification; analysis of manufacturing and production problems including purchasing, work methods, inventory, material handling, production planning, and cost analysis.
Repeatable: No

♦

EGT 330 Electrical Machines (3 credits)
Hours: (2 classroom + 1 lab/studio)
Prerequisite(s): EGT 243 or EGT 162
Taught: Spring only
An introduction to the design, operation, and use of electrical machines. DC machines, asynchronous, synchronous and permanent magnet machines are studied. Analysis and calculation of magnetic fields in machines, induced voltage, current, torque, rotational speed, and losses are covered. Students will study how machines work and are designed.
Repeatable: No

♦

EGT 340 Applied Dynamics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EGT 300, PHY 211 or PHY 220, and MAT 129 or MAT 227.
Taught: Spring only
Theories and applications of dynamic mechanics, including Newton's laws, work, kinetics, impulse, and momentum.
Repeatable: No

♦

EGT 341 Integrated Resource Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EGT 321.
Taught: Variable, check with department
This course utilizes the techniques of enterprise management. The course will focus on contrast and integration strategies, JIT techniques, integration, application, and implementation.
Repeatable: No

♦

EGT 344 Analog Electronics (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 161 and a B- or better in MAT 119 or placement.
Taught: Fall only
Introduction to solid state, diodes, bipolar and field-effect transistors, small-signal amplifiers; power amplifiers, voltage regulators, and active filters.
Repeatable: No

♦

EGT 361 Fluid Power (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): MAT 129 or MAT 227; PHY 211 or PHY 220.
Taught: Fall only
Basic laws and concepts of fluid mechanics and their applications to fluid power circuits.
Repeatable: No

♦

EGT 362 Tool Design and Computer Aided Manufacturing (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 116 and EGT 212.
Taught: Spring
Design and selection of mechanical elements such as fasteners, cams, jigs, fixtures, and tools, utilizing Computer Aided Manufacturing software.
Repeatable: No

♦

EGT 365 CNC & Manufacturing Process Planning (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 212 and EGT 265 and a C- or greater in MAT 119 or placement.
Taught: Fall only
Course provides knowledge needed to set up and program Computer Numerical Control (CNC) machines equipped with EIA or Conversational programming formats. The general application of information will be discussed, along with practical training on CNC machines. Topics such as: Manufacturing process planning, selecting resources for use in the execution and completion of a CNC project will be covered.
Repeatable: No

♦

EGT 367 Microprocessors (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 245 and EGT 267.
Taught: Fall only
Architecture and instruction sets; programming, interfacing, and designing with microprocessors.
Repeatable: No

♦

EGT 377 Power Electronics (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 243
Taught: Spring only
The objective of this course is to present the principles of power electronics and its applications. This course covers topics such as power electronics circuits, semiconductor switching devices, single and three phase rectifiers, DC-DC converter topologies, AC voltage converters and inverters.
Repeatable: No

♦

EGT 386 Electro-Mechanical Instrumentation and Control (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 161 or EGT 162 or PHY 222.
Taught: Fall only
Introduction to the design of instrumentation and control systems. Study of thermal, mechanical, optical, and digital sensor operations and applications. Introduction to data acquisition systems. Laboratory experimentation involving the programmable logic controls for designing different logics to control devices and selecting sensors to gather and utilize data from the equipment at hand.
Repeatable: No
♦

EGT 394 Special Topics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing
Taught: Variable, check with department
Focused study of a specific topic. Topics vary from semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EGT 396 Undergraduate Laboratory Assistant (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Engineering Technology GPA of at least 3.0, Junior standing and consent of instructor.
Taught: Fall, spring, and summer
Participation in planning, setting-up, teaching, conducting reviews, and testing for an undergraduate laboratory course. For students majoring in engineering technology. Not applicable to major or minor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

EGT 399 Independent Study: Engineering Technology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of advisor.
Taught: Variable, check with department
For advanced students seeking to study selected problems.
Repeatable: No
♦

EGT 402 Control Systems (3 credits)
Hours: (2 classroom + 1 lab/studio)
Prerequisite(s): EGT 386
Taught: Fall only
Components, principles, and techniques which are fundamental to automated control systems. The study of transfer functions, network analysis using Laplace transforms, Z transforms, feedback contol systems theory, digital computer simulation, and computer-based control systems.
Repeatable: No
♦

EGT 404 Signals and Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EGT 243 and MAT 227 or MAT 129.
Taught: Spring only
Advanced circuit analysis techniques; time domain and frequency domain solutions; Laplace transforms; z-transforms; Fourier analysis; discrete- time systems.
Repeatable: No
♦

EGT 405 Metrology and Geometric Tolerancing (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 211 and EGT 212.
Taught: Spring only
Metrology requirements and geometric tolerancing; calibration systems, gauge studies, measurement elements, analysis and presentation of measurement data, quality implications.
Repeatable: No
♦

EGT 408 Mechatronic Systems (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 386.
Taught: Spring only
Design, optimization, and simulation of electronic, mechanical, and control systems. Applications and case studies in system control, electromechanical systems, and intelligent adaptive systems.
Repeatable: No
♦

EGT 411 Quality Assurance and Auditing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EGT 211.
Taught: Fall only
Organizing and implementing the quality audit; types of audits; ISO 9000 quality standards; audit planning, execution, testing, reliability, and system appraisal.
Repeatable: No
♦

EGT 412 Advanced CADD (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 212.
Taught: Fall only
Advanced features of three dimensional and parametric modeling, using one of the common parametric (CADD) packages.
Repeatable: No
♦

EGT 416 Capstone I (1 Credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): EGT 310 and EGT 291W or ENG 102
Prerequisite OR Co-requisite: EGT 310.
Taught: Fall, spring and summer
This laboratory course will enable students to apply knowledge, skills, modern math and science tools, and engineering technology techniques to the design and development of their capstone

projects. The focus is on the implementation of Engineering Design to develop a product or process and to conduct design-stage troubleshooting activities.
Repeatable: No

♦

EGT 417 Capstone II (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 416 and 18 credit hours of EGT upper level classes.
Taught: Fall, spring, and summer
Development and preparation of the capstone project in an area of student's primary program major. With prior permission obtained from their EGT advisors at the end of *EGT 416*, students will complete, build, document, demonstrate, and present the results. Must be taken within three semesters of graduation.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

EGT 423 Planning and Design of Industrial Facilities (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 212.
Taught: Spring only-odd years
Planning, estimating, designing, and modeling industrial facilities; management, personnel, production, aesthetics, and the environment.
Repeatable: No

♦

EGT 448 Network Hardware (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 245.
Taught: Fall only
Concepts and examples of network hardware used in data communications, including introduction to advanced concepts. Transmission media, data links, multiplexing, carrier systems, digital transmission systems, routers, interfaces, data transmission.
Repeatable: No

♦

EGT 450 Thermodynamics and Heat Transfer (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): MAT 129 or MAT 227, and PHY 211 or PHY 220.
Taught: Spring only
Fundamentals of thermodynamics, first and second laws of thermodynamics, properties of liquids and gases; air-conditioning and refrigeration systems; power cycles; modes of heat transfer (conduction, convection, and radiation and their applications in technology); computer simulations of thermodynamics and heat transfer processes.
Repeatable: No

♦

EGT 462 Finite Element Modeling (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 412.
Taught: Spring only
Fundamentals of finite element modeling, creation of geometry, material selection, and problem solving. The course focuses on FEA modeling techniques utilizing CAD/CAE software.
Repeatable: No

♦

EGT 465 Automated Manufacturing Systems (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 365.
Taught: Spring only
Integrated manufacturing automation including CIM/FMS, system controls, fixed systems, robotics, and economics of automation.
Repeatable: No

♦

EGT 467 Advanced Microprocessors (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 367.
Taught: Spring only
Advanced architectures, multitasking, virtual memory, networking, assembly language.
Repeatable: No

♦

EGT 477 Electrical Power Systems (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): EGT 330
Taught: Fall only
This course introduces electric power system, from generation of the electricity all the way to the distribution systems. It familiarizes students with technical terms of the electric utility industry. Topics include fundamentals of energy conversion, transformers, power flow analysis and protection. Smart grid technologies are also introduced.
Repeatable: No

♦

EGT 480 Machine Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PHY 211 or PHY 220 ; also EGT 300 or EGT 340 or PHY 310 .
Taught: Fall and spring
Techniques involved in designing and selecting individual machine parts. An integrated approach to the design of machine elements.
Repeatable: No

♦

ENGLISH

ENG 101 Writing for College and Beyond - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): English and Reading ACT/SAT/COMPASS/IELTS/TOEFL scores as announced in current Schedule of Classes; OR placement test; OR, depending upon placement, completion of ENGD 090 , ENGD 094 , ENGI 099 , and/or RDG 091 , or transfer equivalent with a C- or better.
Taught: Fall, spring, and summer
Study and practice of writing with attention to audience, purpose, and conventions appropriate to writing situation; reading, writing, and analyzing a variety of texts, including written, digital, or visual.

Repeatable: No
General Education Credit: Written Communication I
♦

ENG 101I College Writing International Students - WC (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): English and Reading ACT/SAT/COMPASS/IELTS/TOEFL scores as announced in current Schedule of Classes; OR placement test.
Taught: Fall and spring
Study and practice of critical reading and writing designed for non-native speakers of English. Attention to audience, purpose, and conventions appropriate to writing situation; reading, writing, and analyzing a variety of texts, including written, digital, or visual.
Repeatable: Yes
General Education Credit: Written Communication
♦

ENG 101R Writing/Reading for College and Beyond - WC (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): Placement of college-ready in Writing/English and below college-ready in Reading. 3 credits in General Education (Written Communication).
4,0,4 Study and practice of critical reading and writing with attention to audience, purpose, and conventions appropriate to writing situation; reading, writing, and analyzing a variety of texts, including written, digital, or visual.
Repeatable: No
General Education Credit: Written Communication
♦

ENG 101W Writing for College and Beyond: Workshop - WC (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): Placement of college-ready in Reading with an 18 or higher on Reading ACT (or established placement equivalent) and below college-ready in Writing/English. 3 credits in General Education (Written Communication).
Study and practice of writing process and writing with attention to audience, purpose, and conventions appropriate to writing situation; use of workshop model for enhanced instruction in reading, writing, and analyzing a variety of texts, including written, digital, or visual.
Repeatable: No
General Education Credit: Written Communication
♦

ENG 102 Writing and Research - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 or HNR 101
Prerequisite OR Co-requisite: RDG 110 or equivalent
Taught: Fall, spring, and summer
Study and practice of writing in a variety of expository forms, with attention to audience, purpose, and conventions appropriate to writing situation; emphasis on research-based writing and persuasive strategies.
Repeatable: No
General Education Credit: Written Communication II
♦

ENG 104 Honors College Writing - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 26 or above on the current ACT or comparable score on the enhanced ACT, or equivalent; or approval of department.
Taught: Fall and spring
Advanced study and practice of writing with attention to both narrative and rhetorical writing strategies; attention to audience, purpose, and conventions appropriate to writing situations; reading, writing, and analyzing a variety of texts, including written, digital, or visual.
Repeatable: No
General Education Credit: Written Communication II, Written Communication I
♦

ENG 200 Understanding Literature - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Students will develop skills in critical thinking and in understanding multiple perspectives and identities through the study of fiction, poetry, drama, and visual narrative.
Repeatable: No
General Education Credit: Culture and Creativity

ENG 202 Survey of British Literature I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 , ENG 104, HNR 101 or equivalent.
Taught: Fall and spring
Anglo-Saxon period to the 18th century; emphasis on more important writers, with attention to their cultural background.
Repeatable: No
♦

ENG 203 Survey of British Literature II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104 , HNR 101 or equivalent.
Taught: Fall and spring
Romantic period to the present; emphasis on more important writers with attention to their cultural background.
Repeatable: No
♦

ENG 204 Introduction to Writing Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 or HNR 101 .
Taught: Fall only
An introduction to the study of written communication with an emphasis on histories and models of writing, textual analysis, and technologies of writing. Students will investigate a variety of genres in professional writing, public writing, personal and autobiographical writing, writing for new media, and persuasive writing.
Repeatable: No
♦

ENG 206 Western World Literature I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104 , HNR 101 or equivalent.
Taught: Variable-chck w/dept
Important works of continental European literature, in translation, from its origins to the Renaissance.
Repeatable: No
♦

ENG 207 Western World Literature II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 , HNR 101 or equivalent.
Taught: Variable, check with department
Important works of continental European literature, in translation, from the Renaissance to the present; ideas, techniques, and influences.
Repeatable: No
♦

ENG 208 Survey of American Literature I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 , HNR 101 or equivalent.
Taught: Fall and spring
Beginnings to the Civil War.
Repeatable: No
♦

ENG 209 Survey of American Literature II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 , HNR 101 or equivalent.
Taught: Fall and spring
Civil War to the present.
Repeatable: No
♦

ENG 212 Literatures of Inclusion - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Encourages cultural competency in one or more representations of race, class, gender, sexuality, and/or disability through narrative, poetry, drama, and film.
Repeatable: No
General Education Credit: Cultural Pluralism

ENG 213 Global Viewpoints in Literature - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Encourages critical thinking and the understanding of perspectives and identities in a global and historical context through the study of narrative, poetry, drama, and film.
Repeatable: No
General Education Credit: Global Viewpoints

ENG 215 Greek and Roman Mythology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 , HNR 101 or equivalent.
Taught: Variable, check with department
Survey of classical pantheon of gods and heroes and their development from early Greek civilization to imperial Rome; influence of classical mythology on later national literatures
Repeatable: No
♦

ENG 217 African-American Literature to 1940 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104 , HNR 101 or equivalent.
Taught: Fall only-odd years
Works by African American authors 1746-1940. Cultural, historical, and social issues with focus on development of field as a distinct tradition.
Repeatable: No
♦

ENG 218 African-American Literature 1940-Present (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104 , HNR 101 or equivalent.
Taught: Spring only-even yrs
Works by African American authors 1940-present. Cultural, historical, and social issues with focus on development of field as a distinct tradition.
Repeatable: No
♦

ENG 231 Introduction to Creative Writing - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s):
Prerequisite OR Co-requisite: ENG 101 ,ENG 101W , ENG 101R , HNR 101 , or equivalent.
Taught: Fall and spring

Creative writing, emphasis on composing fiction, poetry, and creative nonfiction.
Repeatable: No
General Education Credit: Culture and Creativity
♦

ENG 250 Introduction to English Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 , or HNR 101 .
Taught: Fall and spring
Explore the different fields of English Studies, and practice the skills for engaging texts as English Studies practitioners - including reading, interpretation, argumentation, research, and writing.
Repeatable: No
♦

ENG 300 American Women Poets (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Lives and works of selected poets, including African-Americans. IDENTITIES.
Repeatable: No
♦

ENG 301 American Novel (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Novels from various periods; techniques, ideas, and social

implications. GENRES.
Repeatable: No

♦

ENG 302 Literature and Film - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104, HNR 101 or equivalent.
Taught: Fall and spring
The art of film and its relationship to literature; films shown are cinematic versions of literary texts or have special relationships to literature.
Repeatable: No
General Education Credit: Culture and Creativity

♦

ENG 304 Introduction to Post-Colonial Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102 or equivalent.
Taught: Variable, check with department
Fundamental concepts of Post-Colonial literature. A variety of literary forms and works by major postcolonial and diasporic writers. Issues of literary representation and canon formation during the latter half of the twentieth century. IDENTITIES.
Repeatable: No

♦

ENG 306 Multicultural American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104 , HNR 101 , or equivalent.
Taught: Variable, check with department
Study of writers in two or more ethnic American literatures e.g., American Indian, African American, Asian American, and Latino. IDENTITIES.
Repeatable: No

♦

ENG 307 Diverse Voices in English Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 , ENG 104 , HNR 102 , or equivalent
Taught: Fall and spring
Study of one or more representations of race, class, gender, sexuality, and disability. Includes analysis and the production of cultural texts.
Repeatable: No

♦

ENG 308 Shakespeare I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Spring only
The early period, the English histories, the comedies, and Hamlet. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No

♦

ENG 309 Shakespeare II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Fall only
Plays not studied in ENG 308, including the romances, satires, and tragedies. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No

♦

ENG 315 The Bible as Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Nonsectarian presentation of biblical history, ideas and literary forms and techniques. GENRES.
Repeatable: No

♦

ENG 316 Social Issues in Literature - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104, HNR 101 or equivalent.
Taught: Variable-chck w/dept
Allows students to develop skills in critical thinking and in understanding multiple perspectives and identities through the study of how literature represents social issues related to culture, politics, identity, technology, etc.
Repeatable: No
General Education Credit: Culture and Creativity

♦

ENG 322 Literature and Sexuality (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104, HNR 101 or equivalent.
Taught: Fall only-odd years
Literature and theory by writers who identify as lesbian, gay, bisexual, and/or trans-gendered or who represent these identities in literature. IDENTITIES.
Repeatable: No

♦

ENG 323 Writers in Context (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 , ENG 104 , HNR 102 , or equivalent
Taught: Fall and spring
Examine the interplay between written works and their literary, socio-historical, political, technological, and/or cultural contexts. Focus on textual analysis; how specific contexts influence the form and production of written works.
Repeatable: No

♦

ENG 324 Holocaust Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ENG 104, HNR 101 or equivalent.
Taught: Variable-chck w/dept
Historical and critical study of literature of and about the Holocaust, including Yiddish wartime writing, as well as thematic analyses of archetypes history, memory, and imagination Jewish responses to catastrophe and second-generation literature. IDENTITIES.
Repeatable: No

♦

ENG 326 Literature and the Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Environmentally-focused works representing a variety of literary forms and genres issues include culture, identity, gender, ecology, and sense of place. IDENTITIES.
Repeatable: No
♦

ENG 331 Persuasive Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Theory and practice of contemporary and classical persuasion analysis of professional writing and student themes. WRITING STUDIES.
Repeatable: No
♦

ENG 332 Fiction Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Variable, check with department
Techniques of short story, novelette, novel, and drama in-class analysis of student work and the subsequent revision, reevaluation, and marketing of student writing. CREATIVE WRITING.
Repeatable: No
♦

ENG 334 Poetry Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Spring only
Practice in techniques of writing poetry in-class analysis of student poems and the subsequent revision, reevaluation, and marketing of student work. CREATIVE WRITING.
Repeatable: No
♦

ENG 335 Craft of Creative Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 , ENG 104 , HNR 102 , or equivalent
Taught: Fall and spring
Study of craft theory and source texts from all three genres of creative writing and application of craft techniques.
Repeatable: No
♦

ENG 336 Creative Nonfiction Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Variable, check with department
Students hone craft and voice while writing and workshopping creative nonfiction. CREATIVE WRITING.
Repeatable: No
♦

ENG 338 Writing for Social Change (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, ENG 104 , HNR 102 or equivalent.
Taught: Fall only
Study and practice in activist writings, with particular attention paid to the writings of social justice movements. May involve direct contact work in a local community outside the university. WRITING STUDIES.
Repeatable: No
♦

ENG 340 Business Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Fall and spring
Practical experience in business writing proposals, resumes, letters, reports, and memoranda. For students majoring in business as well as other students who anticipate professional careers involving on-the-job writing tasks. WRITING STUDIES.
Repeatable: No
♦

ENG 342 Digital Writing and Rhetoric (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): ENG 102 or HNR 102
Taught: Fall
The course explores rhetorical theories behind digital writing, social media, and web design as well as topics relating to the fields of digital rhetoric and humanities.
Repeatable: No

ENG 345 Legal Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
The writing of legal arguments; logical reasoning, clarity, conciseness, grammar, punctuation. For those considering or pursuing careers in law or other professions involving the writing of contracts and legal documents. Counts toward literature and writing option for the English major. WRITING STUDIES.
Repeatable: No
♦

ENG 347 Technical Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Fall and spring
Principles and techniques of technical writing, with particular attention paid to conveying technical content to lay audiences and nonspecialists. Students learn the value of visuals, style, and design in communicating complex content and are introduced to the types of documents central to the technical professions. WRITING STUDIES.
Repeatable: No
♦

ENG 348 Editing and Content Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 or HNR 102 .
Taught: Variable, check with department

Theoretical and practical grounding in editing and content development as an evolving process, including setting editing objectives, applying rhetorical concepts in making editorial choices, working effectively with authors, applying grammatical and style conventions, and using relevant software. WRITING STUDIES.
Repeatable: No

♦

ENG 349 Content Development for Web (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Fall only
Theoretical and practical grounding in analyzing, planning, and constructing web-based publications. Students generate engaging and user-centered content and integrate various media to create websites, social media campaigns, and online articles and essays. WRITING STUDIES.
Repeatable: No

♦

ENG 350 Critical Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 250 or permission of instructor.
Taught: Spring only
Introduction to theories of critical interpretation in literary studies. Various approaches to be introduced and applied to literary texts.
Repeatable: No

♦

ENG 351 Rhetorical Theories & Writing Practices (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 204 and ENG 250 or permission of instructor
Taught: Fall only
Introduction to classical and contemporary rhetorical theories with emphasis on writing, persuasion, and knowledge construction. Provides students with a firm grasp of rhetorical concepts such as audience, style, timing, and organization as well as how rhetoric informs critical analysis, close reading, and writing practices in English Studies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 355 Contemporary Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Selected works and topics in contemporary literature from the late twentieth century to the present. May repeat once for credit when topics vary. POST-1900 TRADITIONS.
Repeatable: No

♦

ENG 358 Writing in Creative Genres (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Variable, check with department
Principles and techniques of creative writing in a specialized genre such as children's creative non-fiction, fantasy, dramatic, etc. in-class analysis of student work with subsequent revisions. May be repeated for credit when genre changes. CREATIVE WRITING.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 359 Writing in Workplace Genres (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Principles and techniques of workplace writing in a specialized genre, such as business report writing, manual writing, grant writing, proposal writing, etc. In-class analysis of student work with subsequent revisions. Repeatable for 3 credit hours when genre changes. WRITING STUDIES.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 368 The Graphic Novel (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Variable, check with department
This course critically examines the genre of the graphic novel, paying special attention to narrative techniques. GENRES.
Repeatable: No

♦

ENG 371 Traditional Grammar (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 ,ENG 104 with a grade of C or better or HNR 101
Taught: Fall and spring
This course provides an understanding of sentence parts and patterns, punctuation, usage, and sensitivity to style. Such instruction in traditional grammar can help students (a) write correctly and effectively, (b) apply logical thinking, (c) become wise analysts of texts, and (d) teach others conventional uses of language. WRITING STUDIES.
Repeatable: No

♦

ENG 380 Studies in Literature and Other Arts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Spring only-odd yrs
Literary works compared with musical compositions, with paintings, or with both music and painting. May be repeated for credit when topics vary. GENRES.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 381 Introduction to Linguistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of English; junior standing.

Taught: Fall only-odd years
Methods of analyzing language. Satisfies the linguistics requirement for English majors seeking secondary certification.
Repeatable: No

♦

ENG 382 History of the English Language (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of English; junior standing.
Taught: Fall only-even years
Development of English from Indo-European to the present; internal and external influences resulting in change. Satisfies the linguistics requirement for those seeking secondary certification in English. GENRES.
Repeatable: No

♦

ENG 384 Modern Poetry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Prosodic theory practice in interpretation of poetic texts. GENRES.
Repeatable: No

♦

ENG 386 Children's Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Fall and spring
For students seeking provisional certification in elementary education.
Repeatable: No

♦

ENG 394 Topics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Explores topic not included in regular English curriculum. May repeat for credit if topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ENG 399 Independent Study (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, HNR 102 or equivalent.
Taught: Variable, check with department
Directed study.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ENG 401 Chaucer (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Study of Goeffrey Chaucer's poetry, including the Canterbury Tales and possibly Troilus and Criseyde, the shorter poems, and/or postmedieval transmissions of Chaucer's works. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No

♦

ENG 402 Middle English Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Variable, check with department
Comparative study of the rhetoric, contexts, and uses of pre1800, pre-1900 exploration and travel narratives, particularly those depicting cross-cultural encounters and non-western landscapes. TRADITIONS.
Repeatable: No

♦

ENG 403 Old English (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Language and literature of Anglo Saxon England. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No

♦

ENG 404 Arthurian Legend (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Advanced study of medieval origins of the legend of King Arthur. May also consider post-medieval transmission of the Arthurian tradition in literary texts, film, etc. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No

♦

ENG 418 Gender and Early Modern Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Explores constructions of femininity and masculinity in literature of the early modern period (Renaissance and/or 17th and 18th centuries). IDENTITIES.
Repeatable: No

♦

ENG 420 Pre 1800 Exploration/Travel Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Variable, check with department
Comparative study of the rhetoric, contexts, and uses of pre-1800, pre-1900 exploration and travel narratives, particularly those depicting cross-cultural encounters and non-western landscapes. TRADITIONS.
Repeatable: No

♦

ENG 421 Restoration and Eighteenth Century Literature (3 credits)

Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Significant works of literature written between 1660 and 1798; satire, comedy of manners, novel, and poetry in the context of social backgrounds. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: No
♦

ENG 422 Studies in Eighteenth Century Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Ideas and themes in several works, or in a single major writer, or in a circle of writers; content varies. May be repeated for credit when content varies. TRADITIONS (PRE-1800, PRE-1900).
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 430 Advanced Poetry Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Variable, check with department
Intensive advanced practice in poetry writing, concentrating on form and poetics. CREATIVE WRITING.
Repeatable: No
♦

ENG 431 Screenwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231 or equivalent.
Taught: Variable, check with department
Analysis of professional and student screenplays completion of a script for feature length film, episode of a contemporary TV show, adaptation of a novel or short story, docudrama, or documentary film. CREATIVE WRITING.
Repeatable: No
♦

ENG 432 Novel Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231.
Taught: Fall only
Explores the particular requirements of the novel form. Examines the creation of effective characterization, setting, themes and plots. Demands substantial reading, writing, and outside research. CREATIVE WRITING.
Repeatable: No
♦

ENG 433 Novel Writing II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 432.
Taught: Spring only-odd yrs
Continuation of Novel Writing I focusing on issues specific to writing the middle and ending of a novel. CREATIVE WRITING.
Repeatable: No
♦

ENG 434 Advanced Fiction Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231 or equivalent
Taught: Variable, check with department
Intensive advanced practice with a primary focus on writing short fiction, concentrating on the narrative techniques required for drafting, revising, and publishing short fiction.
Repeatable: No
♦

ENG 436 Advanced Creative Nonfiction Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231 or equivalent.
Taught: Variable, check with department
Intensive advanced practice in creative nonfiction writing, concentrating on experiential immersion and structural approach to personal narrative and literary reportage.
Repeatable: No
♦

ENG 450 Capstone in English Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 250 and senior standing.
Taught: Fall and spring Spring
Explores major questions, ideas, and practices in English Studies, culminating in a project that applies skills and knowledge acquired in training as English majors.
Repeatable: No
♦

ENG 451 British Romanticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Variable, check with department
A study of the major works and theories from the age of Blake, Wordsworth, and Byron. TRADITIONS (PRE-1900).
Repeatable: No
♦

ENG 452 Victorian Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Poetry, fiction, prose, and myth in the age of Tennyson, Hardy, Carlyle, and Eliot. TRADITIONS (PRE-1900).
Repeatable: No
♦

ENG 455 British Narrative Fantasy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Survey of British narrative fantasy from the Middle Ages though the 21st century. GENRES.
Repeatable: No
♦

ENG 456 The Gothic in Literature and the Arts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.

Taught: Variable, check with department
Study of the Gothic mode in literature and other arts, such as architecture, film, and the visual arts. GENRES.
Repeatable: No

♦

ENG 461 Nineteenth Century American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Major authors of 19th century American fiction, essays, and poetry. May be repeated once for credit when topics vary. TRADITIONS (PRE-1900).
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 462 Modern American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Trends in form and content in 20th century American writing. May be repeated once for credit when topics vary. TRADITIONS (POST-1900).
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 464 Studies in American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Works reflecting a common theme, genre, era, or literary movement. May be repeated for credit when topics vary. TRADITIONS.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 467 Studies in African-American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of literature.
Taught: Variable, check with department
Various periods and kinds of African American literature: issues of ethnicity/race and sex/gender; cultural, political, economic, and social issues. May be repeated when topics vary. IDENTITIES.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 468 Gender in 19th-Century American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Investigates ways in which gender informs literature in 19th century American society and how literature reflects gender. IDENTITIES.
Repeatable: No

♦

ENG 470 Twentieth Century British Novel (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Aesthetic and analytical approach to major British novels of the 20th century. GENRES.
Repeatable: No

♦

ENG 472 Studies in British Modernism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Literature by such major authors as Woolf, Eliot, Yeats, and Joyce and their circles, and selected movements defining British Modernism, 1910 to 1950; disillusionment with Victorian values; impact of World War I; innovation in aesthetic form. TRADITIONS (POST-1900).
Repeatable: No

♦

ENG 474 Studies in Postmodern Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Twentieth-century literature written primarily after WWII and representing a conscious attempt to move beyond the modes and thematics of the High Modernists. May be repeated once for credit when topics vary. TRADITIONS (POST-1900).
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 475 Post-Colonial Literature and Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of literature.
Taught: Variable, check with department
Development of major themes, techniques, and theories of post-colonial writing, including issues of appropriation, literary hybridity, cultural hegemony, and Otherness. IDENTITIES.
Repeatable: No

♦

ENG 477 Irish Literary Renaissance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 hours of literature.
Taught: Variable, check with department
Works associated with the Irish Literary Renaissance (1880-1939), a movement dedicated to creating a literature based on Irish history, legend, and folklore. Writers may include Yeats, Joyce, Synge, Gregory, O'Casey. IDENTITIES.
Repeatable: No

♦

ENG 492 Directed Research and Creative Activity (0-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor
Taught: Variable, check with department
Individual student research or creative project with faculty mentorship.
Repeatable: Yes
If Repeatable, Max. Credits: 9

ENG 496 Internship: Various (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ENG 102, ENG 104 , HNR 102 or equivalent, with department approval.
Taught: Variable, check with department
Duties associated with on- or off-campus, paid or unpaid, employment in business, government, education, or the nonprofit sector, which involve substantial work in writing and/or editing projects, under the supervision of a faculty member in the English Department. May be repeated to a total of 6 semester hours.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 497 Projects: Writing (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): written consent of a full- time member of the Faculty of English.
Taught: Variable, check with department
Independent study for advanced students undertaking projects in creative, expository, or journalistic writing.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 499 Independent Study of British Literature (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of literature and consent of instructor.
Taught: Variable, check with department
Open to outstanding students.
Repeatable: No
♦

ENG 500 Poetry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of poetry. May be repeated for credit when topics vary. GENRES.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 501 Drama (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of dramatic literature. May be repeated for credit when topics vary. GENRES.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 505 Medieval Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of literature from the Medieval period. May be repeated once for credit when topics vary. TRADITIONS (PRE-1800, PRE- 1900)
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 515 Readings in Western Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of literature from the Renaissance. May be repeated once for credit when topics vary. TRADITIONS (PRE-1800, PRE-1900)
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 525 Restoration and 18th-Century Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of Restoration and 18th-century literature. May be repeated once for credit when topics vary. TRADITIONS (PRE-1800, PRE- 1900)
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 530 Readings in the English Language (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of literature at the undergraduate level.
Taught: Spring only
Topics about the language and its use: specialized readerships, applications, and theories. May be repeated for credit when topics vary.

Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 531 English Grammar for Teachers of ESOL (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester units of literature and consent of instructor.
Taught: Variable, check with department
Review of English grammar from pedagogical point of view. Does not count toward English major.
Repeatable: No

♦

ENG 535 Teaching High School Writing (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to Teacher Education Program and EDU 311 (Admission to Secondary Field Experience); or Admission to MAT Program or MA English program; or possession of valid secondary teaching certificate.
Taught: Fall only
Methods and theories in the teaching of high school writing. Required of all students majoring in English who seek secondary certification.
Repeatable: No

♦

ENG 537 Teaching High School Literature (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to Teacher Education Program and EDU 311 (Admission to Secondary Field Experience); or Admission to MAT Program or MA English program; or possession of valid secondary teaching certificate.
Taught: Fall Only
Methods and theories in the teaching of high school literature. Required of all students majoring in English who seek secondary certification.
Repeatable: No

♦

ENG 541 Linguistics for Teachers of ESOL (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester units of literature and consent of instructor.
Taught: Variable, check with department
Overview of linguistics for teachers of ESOL. Does not count toward English major.
Repeatable: No

♦

ENG 542 Teaching and Practice/Creative Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): graduate standing or consent of instructor.
Taught: Variable, check with department
Activities, materials, objectives, theory, practice, and curricula for teaching writing at the middle and secondary school levels. Does not satisfy methods course requirements for any Kentucky teaching certificate program.
Repeatable: No

♦

ENG 544 Research/Methods in Professional Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Graduate standing or consent of instructor.
Taught: Variable, check with department
Introduction to key theories and research methods in professional writing. WRITING STUDIES.
Repeatable: No

♦

ENG 546 Grant Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 or equivalent or consent of instructor.
Taught: Variable, check with department
Theory and practice of preparing and analyzing grant applications. Special focus on the grant process in academic settings. WRITING STUDIES. Open to graduate students and, with permission of instructor, advanced undergraduate students.
Repeatable: No

♦

ENG 550 Playwriting Workshop (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231 or equivalent or graduate standing.
Taught: Variable, check with department
Intensive exploration of playwriting theory, approach, creativity, and style. Focus on developing the individual playwright's method and practice through creation of drama, research, and engagement with the theater community.
Repeatable: No

♦

ENG 552 Screenwriting Workshop (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 231 or equivalent or graduate standing.
Taught: Variable, check with department
Advanced exploration of the elements and techniques of film production and screenwriting. Focus on style and form; camera, geography, staging, balance, timing, and rhythm; business analysis of films and screenplays; and role of the screenwriter and other personnel.
Repeatable: No

♦

ENG 556 Composition Theories (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study in composition/rhetoric. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 560 American Literature Before 1865 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semester of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of American literature written before 1865. May be repeated once for credit when topics vary. TRADITIONS (PRE-1900)
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

ENG 565 American Literature After 1865 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of American literature written after 1865. May be repeated once for credit when topics vary. TRADITIONS.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

ENG 570 American Folklore (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 104, ENG 102 or equivalent or graduate level standing.
Taught: Variable-chck w/dept
Study of oral, customary, and material genres of folklore in different American folk groups.
Repeatable: No
♦

ENG 575 20th Century British Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of British literature written in the twentieth century. May be repeated once for credit when topics vary. TRADITIONS (POST-1900)
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENG 580 Studies in Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of literature at the undergraduate level.
Taught: Variable, check with department
Special topics in literature; genres, interdisciplinary subjects, individual authors. May be repeated for credit when topics vary. TRADITIONS.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

ENG 581 Major Authors (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of one or more major literary authors. May be repeated for credit when topics vary. TRADITIONS.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit
♦

ENG 582 Special Topics in Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Six semesters of literature at the undergraduate level or graduate standing.
Taught: Variable, check with department
Advanced study of special topics in literary studies. May be repeated once for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

ENG 584 Literary Publishing and Editing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 102 or equivalent or graduate standing.
Taught: Variable, check with department
Current trends and challenges in publishing explored through research and practical editing of literary journals and other projects.
Repeatable: No
♦

ENTREPRENEURSHIP

ENTP 201 Entrepreneurial Mindset (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): None
Taught: Fall and spring
The entrepreneurial mindset can be utilized to develop self-efficacy, leadership, resourcefulness, creativity and comfort with ambiguity. Students will study, apply and absorb an entrepreneurial mindset as an approach to viewing the world, recognizing problems and developing real-world creative solutions. Students will also develop an appreciation for failure as learning experiences.
Repeatable: No

ENTP 202 Opportunity Recognition (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201
Taught: Fall and spring
Students will explore ways to shape and evaluate opportunities by understanding key industry, market, and competitive factors. Students will learn how to determine if an idea is a viable opportunity for value creation, how to apply critical thinking skills, and how best to seize the opportunities they have identified.
Repeatable: No

ENTP 290 Idea Validation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 202
Taught: Fall and spring
Students will work in teams to learn how to turn a great idea into a great company. They will develop a company and evaluate their idea by testing it with potential customers. Using the customer and market feedback gathered, they will use agile development to rapidly iterate their product.
Repeatable: No

ENTP 305 Introduction to Entrepreneurship (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing
Taught: Fall and spring
This course is designed to provide students with an overview of the entrepreneurial thought processes of creativity, innovation, and critical thinking as well as the business planning process. It provides students with a framework in which to conduct a feasibility analysis that will help prepare them for a potential entrepreneurial venture. Not open to entrepreneurship majors or minors.
Repeatable: No
♦

ENTP 320 Social Entrepreneurship (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall only
Introduce students to the concepts, practices, and challenges of social entrepreneurship in the U.S. and around the world. Topics include the relationship between traditional entrepreneurship and social entrepreneurship; the impact of social entrepreneurs on society; and the skills needed to be a successful social entrepreneur.
Repeatable: No
♦

ENTP 375 Entrepreneurial Skills & Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing
Taught: Fall and spring
A strategic marketing process approach will be illustrated including marketing plans, the innovation process, and implementation of product, price, place and promotion goals. Topics will also include how to get business assistance, business locations, licenses and permits, registering your business, determining legal structure, and managing innovation.
Repeatable: No
♦

ENTP 376 New Venture Financing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 150 or ACC 200 and ACC 201, ENTP 201
Taught: Fall only
Many new ventures and innovation fail due to inadequate funding. Major sources of funding for new ventures are reviewed and evaluated in this course, including: venture capital, informal investors, banks, investment banks, suppliers, buyers and the government. Some of the topics for this course include valuation, "guerilla financing," joint ventures, strategic alliances, private placements, IPOs and management buyouts.
Repeatable: No
♦

ENTP 378 Emerging Enterprise Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201
Taught: Spring only
This course involves the study of legal issues surrounding emerging enterprises, including, new venture formation, choice of legal entity, financing, siting and leases, intellectual property, debtor-creditor relations, contracts and employment law.
Repeatable: No
♦

ENTP 379 Technology and Innovation Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201
Taught: Variable, check with department
This course is designed to explore the concepts of change, innovation, and corporate venturing. Issues associated with entrepreneurial behavior and the development and implementation of programs to encourage entrepreneurship (creating value through innovation in midsize and large firms are explored.
Repeatable: No
♦

ENTP 392 Research Experience in Entrepreneurship (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in the field of Entrepreneurship by participating in special projects, original research, or client-based projects directed by a member of the Entrepreneurship faculty. Course intended for Entrepreneurship Majors or Entrepreneurship Minors. May be used as a ENTP elective.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENTP 394 Topics: Entrepreneurship (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Specialized topics of student and business community interest. Topics for current offering listed in Schedule of Classes. With department approval may be repeated for elective credit when topics change.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ENTP 396 Entrepreneurial Internship (1-3 credits)

Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201.
Taught: Fall and spring
Students will intern at a nascent or early stage business venture that will provide the student an opportunity to learn to apply entrepreneurial problem solving skills and theoretical knowledge obtained through coursework to actual business situations and problems. The student should plan on spending a minimum of 10 hours per week for 10 weeks at the internship.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENTP 433 New Venture Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201 and certification of major in business or declared minor in ENTP
Taught: Spring only
As an integrative course in management; this class emphasizes managing growing companies in an increasingly professional manner, while maintaining a spirit of entrepreneurship. Topics will include strategic and operational planning, financial planning and measuring and controlling performance; managing innovation, marketing the entrepreneurial organization, managing human resources in rapidly growing firms, and exit strategies.
Repeatable: No
♦

ENTP 485 Entrepreneurship Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 290, ENTP 375, Senior Standing, and Certified Major.
Prerequisite OR Co-requisite: ENTP 376
Taught: Fall and spring
Advanced, intensive experience designed to complete a student's undergraduate study of entrepreneurship. Seminar that enables students to interact with experienced entrepreneurs. Students are expected to include a substantial educational component that builds on knowledge and expertise from an accumulation of previous entrepreneurship courses.
Repeatable: No

ENTP 497 Writing the Business Plan (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 150 or ACC 200 and ACC 201, ENTP 201, ENTP 375 and ENTP 376; senior standing and certification of major in business or declared minor in ENTP.
Taught: Fall and spring
Students will study the basic components and varied audiences for the business plan. Each student will write a business plan and will be required to present the plan to a panel of business leaders.
Repeatable: No
♦

ENTP 499 Independent Study (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENTP 201 and certification of major in business or declared minor in ENTP.
Taught: Variable, check with department
Students pursue a topic or project of interest to them. Meeting times arranged with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ENTP 520 Introduction to Social Entrepreneurship (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): Graduate standing or consent of instructor
Taught: Variable, check with department
Introduction to the social-entrepreneurial mindset, policy scanning, opportunity recognition, idea validation, legal considerations, and business planning and development necessary to start or work in a non- or for-profit organization with a social mission. Intended for students and professionals in the helping professions (health, social work, education, etc.).
Repeatable: No
♦

ENTP 575 Social Entrepreneurship Skills (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): ENTP 520
Taught: Variable, check with department
Advances the business acumen in social entrepreneurship of students and professionals in helping professions. Develops skills in social venture creation, marketing, and management for starting or running non- or for-profit organizations with a social mission.
Repeatable: No
♦

ENVIRONMENTAL SCIENCE

EDV 324 Disease Ecology and Human Health (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENV 110 or *BIO 151*
Taught: Spring only-odd years
Exploration of the emergence of infectious diseases and other human health issues from an ecological perspective, including vector-borne diseases, diseases spread from wildlife, the role of pathogens and parasites in community and population ecology. Examination of how global change and biodiversity loss will contribute to the prevalence of human diseases.
Repeatable: No

ENV 110 Introduction to Environmental Science and Issues - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
A non-laboratory introduction to the basic tenets of environmental science and issues including: the biological and physical components of ecosystems; human impacts on the functionality of ecosystems; and the economic, political, and legal aspects of environmental decision making. A requirement for entry into the environmental science program.
Repeatable: No
General Education Credit: Natural Science

ENV 115 Orientation to Environmental Science Careers (1 credit)
Hours: 0 classroom + 3 lab/studio
Taught: Fall only
An introduction to environmental careers and post-graduate options. Activities will include visits to local businesses, corporations, agencies, and organizations specializing in environmental work.
Repeatable: No

ENV 130 Water and People - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
An overview of water resources and threats. Focus is on U.S. waters, the Clean Water Act, storm-water, and reducing storm-water pollution of water resources.
Repeatable: No
General Education Credit: Natural Science
♦

ENV 130L Water and People Laboratory - SL (1 credit)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): ENV 130.
Taught: Fall only
A laboratory course to accompany ENV 130. Applied exercises in water quality assessment, land use, and storm-water management.
Repeatable: No
General Education Credit: Natural Science

ENV 294 Topics in Environmental Science (1-5 credits)
Hours: 1-5 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Intensive study of specialized subject matter in environmental science. May be repeated for credit when topic varies.
Repeatable: No
♦

ENV 308 Science Communication (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENV 110 or BIO 151 or consent of instructor.
Taught: Fall only-even years
Introducing and developing skills in communicating environmental science to the general public using film, radio, and photographs. The course is organized around three modules (photography, radio, filmmaking). Students will learn the fundamentals, spend time examining and discussing successful examples, and work in small groups with community partners to create materials.
Repeatable: No
♦

ENV 324 Disease Ecology and Human Health (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): ENV 110 *or* BIO 151
Taught: Spring only, odd years
Exploration of the emergence of infectious diseases and other human health issues from an ecological perspective, including vector-borne diseases, diseases spread from wildlife, the role of pathogens and parasites in community and population ecology. Examination of how global change and biodiversity loss will contribute to the prevalence of human diseases.
Repeatable: No
♦

ENV 332 Visualizing Environmental Data in R (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or permission of instructor.
Taught: Spring only-even years
In this course students will analyze and visualize environmental, ecological and geospatial data using R programming tools and skills. This course is designed as workshop style with extensive hands-on practices starting from the basic syntax to advanced skills including data management, visualization and analysis of spatial data.
Repeatable: No

ENV 350 Environmental Toxicology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 151 and CHE 121.
Taught: Fall only-odd years
A non-laboratory course for students in biology, chemistry or environmental science. The course will cover principles of toxicology and environmental genetics, and the movement, degradation, biotransformation, and accumulation of toxic chemicals in the environment over time. Case studies examine differences across species and habitats from the tundra to the tropics.
Repeatable: No
♦

ENV 394 Topics: Environmental Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior or senior standing in environmental science.
Taught: Variable, check with department
In depth study of specialized subject matter in environmental science. May be repeated for credit once when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENV 395 Study Abroad in Environmental Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
An opportunity for students to engage in one or more departmentally- approved courses abroad; topic listed in schedule of classes when course is offered. May be repeated for credit when topics vary.
Repeatable: No
♦

ENV 396 Internship: Environmental Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Fall, spring, and summer
Experiential learning at institutions, universities, or businesses specializing in Environmental work. Course may be repeated for new internship project. Open only to students majoring in Environmental science or minoring in Environmental studies.

Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENV 408 Ecology of the City (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 304 and GEO 418.
Co-requisite(s): ENV 408L.
Taught: Spring only-even yrs
Using ecological theory to understand the links between the structure and function of cities. Topics covered include socio-ecological frameworks, solutions to modern environmental concerns as they relate to urban areas, the role of interdisciplinary research in urban ecology, human-environment interactions, and creating sustainable cities.
Repeatable: No
♦

ENV 408L Ecology of the City Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Co-requisite(s): ENV 408.
Taught: Spring only-even yrs
Laboratory to accompany ENV 408.
Repeatable: No

ENV 492 Directed Research: Environmental Science (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 291W and consent of instructor.
Taught: Fall, spring, and summer
Development and completion of a research project chosen in conjunction with instructor and approval of environmental science director. Final project report is required. For students majoring in environmental science.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ENV 493 Seminar: Environmental Science (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): ENV 110 or BIO 123, and junior standing.
Taught: Spring only
Discussion and analysis of current environmental problems. For junior and senior students majoring in environmental science or minoring in environmental studies.
Repeatable: No
♦

ENV 578 Environmental Issues for Educators (3 credits)
Hours: 1 classroom + 4 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Information and application of environmental issues for classroom use. Interrelationship of local issues and global issues. Required field trips.
Repeatable: No
♦

FINANCE

FIN 150 Finance for Non-Business Majors 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ACC 150
Taught: Fall and Spring
Practical finance tools for nonbusiness majors. Course covers core concepts such as an overview of financial statements, time value of money concepts, relationship between risk and return, debt versus equity issues, and how a firm chooses between competing alternative investments. *Does not count toward the undergraduate requirements for the BSBA.*
Repeatable: No

FIN 205 Personal Financial Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Practical and realistic methods to manage the basic concepts of personal finances effectively; covers the basics related to managing your personnel assets, credit, insurance, investments, retirement and estate planning.
Repeatable: No
♦

FIN 305 Principles of Finance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): STA 205 or STA 205R. 45 credit hours earned.
Taught: Fall, spring, and summer
Basic concepts in finance including security markets, interest rates, taxes, risk analysis, time value of money, security valuation, short term financial planning, capital budgeting, and capital structure.
Repeatable: No
♦

FIN 315 Financial Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 305 and junior standing.
Prerequisite OR Co-requisite: ACC 308
Taught: Fall and spring
Financial management concepts relating to dividend policy, capital structure theory, working capital management, common stock and bond issuance, hybrid financing, mergers, and acquisitions.
Repeatable: No
♦

FIN 345 Investment and Security Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 305 and junior standing.
Taught: Fall and spring
Structure and regulation of security markets, capital market theory, portfolio theory, analysis of securities and opportunities, evaluation of portfolio goals, sources of investment Information, and introduction to derivatives.
Repeatable: No
♦

FIN 355 Principles of Risk Management and Insurance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 305 and junior standing.
Taught: Variable, check with department
Fundamental principles of risk and insurance; applications to risk situations and pension and group insurance.
Repeatable: No
♦

FIN 365 Financial Markets and Institutions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 305 and junior standing.
Taught: Variable, check with department
Advanced coverage of financial markets and institutions and their role in the history of the US financial system. Coverage includes a discussion of financial market history, interest rate theory, financial and currency derivatives, international implications for financial markets and institutions and current topics.
Repeatable: No
♦

FIN 385 Financial Planning Process and Estate Planning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 305 and junior standing.
Taught: Variable, check with department
Theoretical and practical approach to estate planning; estate and gift taxes, wills, trusts, and estate planning techniques and application of these techniques in overall financial planning.
Repeatable: No
♦

FIN 392 Research Experience in Finance (0-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Introduction to research in the Finance by participating in special project or original research directed by a member of the Finance faculty. Course intended for Finance Majors. May not be used as a FIN elective.
Repeatable: No
♦

FIN 394 Topics: Finance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 315, FIN 345 and junior standing.
Taught: Variable, check with department
Specialized topics of faculty and student interest. Topics vary and may include advanced derivative securities, financial engineering, advanced corporate finance, advanced financial planning, financial ethics, and risk management. May be repeated for a maximum of 6 semester hours if topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

FIN 396 Internship: Finance (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of FIN 305 with grade of C or better.
Taught: Fall, spring, and summer
Supervised work experience related to finance and coordinated by employer in conjunction with a member of finance faculty. Graded pass/fail.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

FIN 405 Derivative Securities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 315, FIN 345 and certified major in any business program.
Taught: Variable, check with department
Definition and explanation of various risk transfer devices such as options involved in trading these securities, hedging and speculating with options and futures, supervision, regulation, and tax consequences of futures and options trading.
Repeatable: No
♦

FIN 415 International Finance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FIN 305 with a grade of C or better; certified major in any business program.
Taught: Fall and spring
Financial decision making process in a multinational environment, effects of devaluation expectations, foreign exchange, investment controls; case study materials related to actual decisions by multinational firms.
Repeatable: No
♦

FIN 425 Financial modeling and valuation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in FIN 315 and FIN 345.
Taught: Variable, check with department
Financial modeling and valuation focusing on major financial theories and practical applications; building financial models in Excel and applying them to various corporate valuation models. Open only to students certified as majoring in business or by consent of instructor.
Repeatable: No
♦

FIN 435 Case Studies in Corporate Finance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FIN 315, FIN 345 and ACC 308 with a grade of C or better, certified major in finance.
Taught: Fall and spring
Analysis of finance problems through use of case studies; oral and written presentations of case solutions. Recommended to be taken during the last 18 semester hours of business coursework.
Repeatable: No
♦

FIN 445 Retirement Planning and Employee Benefits (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FIN 305 with a grade of C or better, certified major in any business program.
Taught: Variable, check with department
Concepts of retirement planning and employee benefits and the application of these concepts to overall financial planning for individual and businesses.
Repeatable: No
♦

FIN 450 Advanced Investment Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FIN 345 with a grade of B or better and permission of the instructor.
Taught: Fall and spring
An in depth continuation of the material covered in FIN 345. The students will gain practical experience in portfolio management, including asset allocation, risk management, securities analysis and portfolio monitoring through management of the Haile Student Investment Fund.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

FIN 499 Independent Student in Finance (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FIN 315, FIN 345 and ACC 308 with a grade of C or better, certified major in any business program, and consent of instructor.
Taught: Variable, check with department
Student investigation of a topic or completion of a project. Topics, meeting times, and outcomes arranged with instructor.
Repeatable: No
♦

FINANCIAL LITERACY

FLC 101 Pathways to Financial Success - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Knowledge and skills to make sound personal financial decisions that promote financial success during college and beyond. Emphasis on decisions related to navigating college costs; earning, spending; saving; borrowing; and protecting.
Repeatable: No
General Education Credit: Individual & Society (Self & Society)

FRENCH

FRE 101 Elementary French I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamentals; introduction to French and Francophone cultures; development of skills in conversation, pronunciation, grammar, reading, and writing. General education credit: Culture and Creativity
Repeatable: No

FRE 102 Elementary French II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed FRE 101 or equivalent.
Taught: Fall and spring
Continuation of FRE 101.
Repeatable: No
♦

FRE 201 Intermediate French I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed FRE 102 or equivalent.
Taught: Fall and spring
Review and extension of basic language skills learned in FRE 101 and FRE 102; reading and discussion of cultural, linguistic, and literary subjects.
Repeatable: No
♦

FRE 202 Intermediate French II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed FRE 201 or equivalent.
Taught: Fall and spring
Continuation of grammar review and enhancement of language skills begun in FRE 201; consideration of cultural and literary subjects.
Repeatable: No
♦

FRE 294 Topics in French for the Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 102 or permission of instructor
Taught: Variable, check with department
Provides linguistic and cultural competence to prepare students to work within a cross-cultural environment here or abroad. Course content varies according to professional focus and may include topics about health, legal, culinary arts, fashion, engineering, tourism and trade professions. Taught in French.
Repeatable: No
♦

FRE 304 French Composition and Conversation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Advanced practice in writing French compositions and in oral conversation skills.
Repeatable: No
♦

FRE 307 Introduction to French Translation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or consent of instructor.
Taught: Variable, check with department
Introductory translation course providing an overview of the

considerations that the translator must take into account when approaching a text. Attention is paid to the structural differences between French and English, cross-cultural differences in stylistics, writing with clarity and reference work. Students will have hands-on experience.
Repeatable: No

♦

FRE 310 French Culture and Society Today (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent or consent of instructor.
Taught: Variable, check with department
Study of contemporary French culture and society with a focus on current events as reflected in authentic materials (including film, literature, social media, news media, etc.).
Repeatable: No

♦

FRE 311 French Cultural History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Eras, institutions, and issues in the history of France; readings primarily in French.
Repeatable: No

♦

FRE 320 Survey of French Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Overview of major authors and movements from Old French to the 20th century.
Repeatable: No

♦

FRE 322 French Drama (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Study of major authors and texts in the history of French theater, including representative 20th century playwrights; readings in French. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

FRE 323 French Prose Fiction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Study of representative masters of the French novel and short fiction from the 18th century to the present; readings in French. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

FRE 330 Studies in French Language Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
Survey of films produced in the French language. Emphasizes both the aesthetic aspects of the films as well as their historical, political, social and cultural content. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

FRE 340 Business French (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): FRE 202 or equivalent.
Taught: Variable, check with department
A study of language for broad commercial purposes; cultural awareness in both social and professional situations; historic and contemporary views of government, labor, media, and industrial organization in Francophone countries; business communication; Franco-American relations.
Repeatable: No

♦

FRE 401 French Phonetics and Pronunciation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of French on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Study of French sound system, how sounds are produced, which ones are used in French, and in what contexts they occur. Satisfies the linguistics requirement for French Education majors.
Repeatable: No

♦

FRE 402 Advanced French Grammar and Syntax (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of French on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Study of French grammar through analysis of key linguistic structures and applied practice. Analysis of word formation, sentence structure, and semantics. Satisfies the linguistics requirement for French Education majors.
Repeatable: No

♦

FRE 480 Studies in French Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of French at the 300 level or above or consent of instructor.
Taught: Variable, check with department
Topics in culture and language of French speaking countries. May be repeated for credit as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

FRE 481 Studies in French Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of French at the 300 level or above or consent of instructor.
Taught: Variable, check with department
Topics in literature, literary history, and literary theory. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

FRE 499 Independent Study: French (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Readings in language and literature and culture.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

FRE 520 Readings: French (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 300- level French course.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

GEOGRAPHY

GEO 100 Geography and the Human Landscape - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Acquaints students with the key tools, themes, and perspectives by which geographers describe and analyze the global landscape, in its present condition as well as its transformation from past circumstances and its continuing transformation into the future.
Repeatable: No
General Education Credit: Global Viewpoints

GEO 101 World Regional Geography (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
The world's regions; settlements, resource use, culture groups, and political patterns.
Repeatable: No

GEO 108 Physical Geography - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Acquaints students with the integration of key physical, chemical, and biological processes that produce the climate, soil, vegetation, and landform patterns on the Earth's surface.
Repeatable: No
General Education Credit: Natural Science

GEO 306 Environmental Resource Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Spatial issues of resources management; water and air pollution, solid wastes, energy, land use planning, wilderness preservation, and population pressures; interaction of ecosystems.
Repeatable: No

♦

GEO 308 Dynamics of Weather and Climate (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Scientific bases on which weather and climate function; general circulation systems of the atmosphere; climate regions; natural and anthropogenic climate change.
Repeatable: No

♦

GEO 309 Environmental History: American Landscape (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Cultural and environmental transformation of the landscape, including ecological changes, changes to settlement patterns, development of economic regions, and evolution of urban areas.
Repeatable: No

♦

GEO 314 Maps and Map Interpretation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Fall only- even years
Map reading and interpretation skills; overview of map sources; interpretation of aerial photographs and remote sensing data; Geographic Information Systems.
Repeatable: No

♦

GEO 330 Geography of Religion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only - odd years
Distribution of religions with a strong emphasis on the areal spread of various religions; impact of religion on landscape and on the environmental settings of several religions; changing religious patterns in the United States.
Repeatable: No

♦

GEO 340 Sustainable Food Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
Production processes and environmental impacts of agriculture, food manufacturing, food retailing in U.S. Land ownership patterns, subsistence food production, and cash crop production in developing world. Sustainable alternatives in U.S. and developing

world.
Repeatable: No

♦

GEO 345 Geography of Natural Hazards (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only - odd years
Investigates processes within the atmosphere, lithosphere, hydrosphere and biosphere that produce or contribute to natural hazards. Examines geographical patterns of hazard events, and considers how attributes of danger are perceived, constructed, and managed. Considers how human societies develop policy responses and solutions for living with and responding to natural hazards.
Repeatable: No

♦

GEO 394 Topics: Geography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Study of specialized topics in geography not covered through regular curriculum. Subfields will vary according to the interest of the instructor and will be listed in the on-line schedule of classes. May be repeated as topics change.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

GEO 410 Geography of East Asia (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only- even years
Physical and social geography of major regions; transformation of pre-colonial economic and cultural institutions by world economic integration; evaluation of successes and failures of economic development.
Repeatable: No

♦

GEO 412 Geography of South Asia and Middle East (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Geo-political, bio-physical, religious and social aspects of South Asia and the Middle East.
Repeatable: No

♦

GEO 415 Cartography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Cartographic drawings, map symbolism, and map design; various map projections are studied with regard to possible uses.
Repeatable: No

♦

GEO 418 Geographic Information Systems (4 credits)
Hours: 3 classroom + 1 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Introduction to the theories, principles, construction methods, and applications of geographic information systems; employment of a GIS software package to manipulate geographically referenced data.
Repeatable: No

♦

GEO 419 Remote Sensing of Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
Introduction to the principles, characteristics and applications of environmental remote sensing; concepts and foundations of remote sensing, photographic systems and interpretation, thermal and multispectral scanning, radar systems, satellite remote sensing, and digital image processing.
Repeatable: No

♦

GEO 422 Landscape Preservation & National Parks (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
Examines questions of landscape preservation, historic preservation, and public education using case studies from America's National Parks system. Themes include what natural, cultural, and historical features are deserving of preservation, what stories deserve to be told, and how preservation standards change over time.
Repeatable: No

GEO 492 Directed Research: Geography (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of geography and consent of instructor.
Taught: Variable, check with department
Independent work on research project agreed upon by student and instructor.
Repeatable: No

♦

GEO 496 Internship: Geography (3-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Prerequisite(s): 3 hours of geography and permission of instructor.
Taught: Variable, check with department
Placement in public agency or private business for supervised experience in applying geographic concepts and techniques; meetings with faculty and with other internship students. Graded pass/fail.
Repeatable: No

♦

GEO 499 Directed Readings: Geography (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department

Individually supervised readings on a selected area of geography.
Repeatable: No

♦

GEO 518 Geographic Information Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GEO 418.
Taught: Variable, check with department
Theories, principles, and applications of geographic information analysis; employment of a GIS software package and other computer software packages to manipulate Geographic Information analysis methods.
Repeatable: No

♦

GEO 519 Advanced Remote Sensing (3 credits)
Hours: 3 classroom + 1 lab/studio
Prerequisite(s): GEO 419.
Taught: Variable, check with department
Introduction to digital remote sensing data processing theories and techniques; employment of a digital remote sensing data processing software package to manipulate digital remote sensing data processing techniques.
Repeatable: No

♦

GEO 522 Introduction to Historic Preservation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only-even yrs
An examination of the growing field of historic preservation including such topics as philosophy, recognition and assessments, survey techniques, preservation planning, conservation, advocacy, federal compliance, and protection of significant resources.
Repeatable: No

♦

GEO 592 Directed Research in Geography (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individual research in an area of geography under supervision of a faculty member. May be repeated once for credit.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GEO 594 Special Topics Geography (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Study of selected topics. Subfields will be chosen in keeping with interest of the instructor and will be listed in Schedule of Classes. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

GEOLOGY

GLY 100 Careers in Geoscience (1 credit)
Hours: (1 classroom + 0 lab/studio)
Taught: Fall only
Introduction to geoscience careers and post-graduate options. Topics include college success skills, effective resume building, the geologist-in-training exam, technical writing, and researching and applying for internships, scholarships, jobs, and graduate programs. Guest speakers from consulting, government and academia.
Repeatable: No

♦

GLY 110 Earth Science with Laboratory - SL (4 credits)
Hours: 3 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Introduction to the core subjects of geology including the formation of minerals and rocks, Earth's geologic history, plate tectonics, the occurrence and mitigation of natural hazards such as earthquakes, volcanoes, and landslides, and surface processes including rivers, groundwater, and climate change. Emphasis on regional geology. Field trips offered.
Repeatable: No
General Education Credit: Natural Science

GLY 115 History of the Earth - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
An introduction to the origin of the Earth, including plate tectonics, mountain building, the evolution of life as interpreted from the fossil record, mass extinctions, and catastrophic geologic events. Emphasis is placed on the geologic history and fossil record of the tri-state region.
Repeatable: No

GLY 120 This Dangerous Earth - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
A study of the ways in which geology affects our society including geologic hazards such as volcanoes, earthquakes, landslides, flooding, and coastal erosion as well as the pollution of our soil and water resources. Emphasis is placed on environmental geologic conditions in the tri-state.
Repeatable: No
General Education Credit: Global Viewpoints

GLY 120L This Dangerous Earth Laboratory (1 credit)
Hours: 1 classroom + 1 lab/studio
Co-requisite(s): A 100-level or 200-level geology course.
Taught: Fall only
A laboratory experience to study the geology of the Cincinnati/Northern Kentucky region, the geologic history of the region, and the ways the past geologic processes have acted to create the present landscape.
Repeatable: No

GLY 125 Prehistoric Life - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only

The study of prehistoric life as documented in the fossil record. The course will cover the evolution of life over geologic time from simple forms in Precambrian through trilobites, dinosaurs, woolly mammoths, and man. Emphasis is placed on the fossil record and prehistoric life of the tri-state region.
Repeatable: No
General Education Credit: Natural Science

GLY 130 Geology of National Parks - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
A study of the principles of physical geology using national parks as examples to illustrate the concepts presented. This will include the formation and occurrence of rocks and minerals, the internal processes that have acted to form underlying rock structures, and the surficial processes that have acted to form current landforms.
Repeatable: No
General Education Credit: Natural Science

GLY 150 Introduction to Field Paleontology (3 credits)
Hours: 0 classroom + 6 lab/studio
Taught: Summer only
Introduction in methods of field paleontology. This will include safety procedures, collection and documentation of samples, and methods of scientific protocol for sample preservation.
Repeatable: No

GLY 292 Research Experience in Geology (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and department chair.
Taught: Fall, spring, and summer
Original research work directed by one or more members of the geology faculty. May be taken more than once. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

GLY 294 Topics: Geology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department chair.
Taught: Fall, spring, and summer
Special topics in geology.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

GLY 295 Study Abroad Geology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
This course provides an opportunity for students to engage in one or more departmentally-approved courses abroad; topic listed in schedule of classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 315 Structural Geology with Laboratory (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 110 and MAT 103 or placement.
Taught: Variable, check with department
Primary and secondary structures of the Earth's crust.
Repeatable: No
♦

GLY 316L Geologic Field Trip (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Junior standing and consent of instructor.
Taught: Variable, check with department
Participation in an extended-duration field trip to study geologic features and processes that do not occur within the tri-state region.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

GLY 325 Geology of the Planets (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GLY 110 or AST 110.
Taught: Variable, check with department
Introduction to planetary science. Major topics include the history of the universe; the formation of solar systems; comparative geology of the terrestrial planets, moons, small solid bodies, and the gas/ice giant planets; the basic processes that shape the surface and interiors of planets; planetary atmospheres; extra-solar planets; and planetary missions.
Repeatable: No
♦

GLY 330 Geomorphology with Laboratory (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): GLY 110.
Taught: Variable, check with department
Description and interpretation of land forms.
Repeatable: No
♦

GLY 335 Mineralogy and Petrology (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 110.
Taught: Variable, check with department
Study of the physical and chemical properties of common rock and ore- forming minerals and the igneous, metamorphic, and sedimentary rock types that they form. The origin and development of rock systems.
Repeatable: No
♦

GLY 340 Introduction to Environmental Geoscience (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): GLY 110 or GLY 120.
Taught: Fall only
Human interaction with the Earth's geologic aspects; natural hazards, water resources, waste disposal, energy, mineral resources, and land use and planning.
Repeatable: No
♦

GLY 341 Soil Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GLY 110.
Taught: Variable, check with department
A study of the way in which soils and geologic conditions influence environmental conditions and projects. Soil formation and soil properties to include composition and water relationships as well as erosion theory and control and re-vegetation will be covered.
Repeatable: No

♦

GLY 350 Field Paleontology (3 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Junior standing.
Taught: Summer only
Instruction in methods of field paleontology. This will include safety procedures, collection and documentation of samples and methods of scientific protocol for sample preparation. Students will identify and describe the results of paleontological collection and present the results for critical review.
Repeatable: No

♦

GLY 360 Environmental Geophysics (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): GLY 110.
Taught: Variable, check with department
Introduction to geophysical methods and their application to solve geological, energy and environmental problems. Students will learn to use geophysical equipment at local field sites to gather, process and interpret their own data.
Repeatable: No

♦

GLY 392 Directed Research: Geology (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall, spring, and summer
Supervised research in an area of geology currently under investigation by one or more of the geology faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

GLY 394 Topics: Geology (1-3 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.or consent of instructor.
Taught: Variable, check with department
Various topics of interest in geology. Can be repeated for up to 3 hours as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

GLY 395 Study Abroad Geology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor
Taught: Variable, check with department
This course provides an opportunity for students to engage in one or more departmentally-approved courses abroad; topic listed in schedule of classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 396 Assistant: Undergraduate Laboratory (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Geology GPA of at least 3.00, junior standing and consent of instructor.
Taught: Fall, spring, and summer
Participation in planning, setting up, teaching, conducting reviews, and testing in an undergraduate laboratory course. For students majoring in geology.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 397 Special Projects: Geology (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall, spring, and summer
Completion of an independent project in geology.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 399 Readings: Geology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): 20 semester hours in geology.
Taught: Fall, spring, and summer
For students able to do independent work.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 402 Paleontology (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): GLY 110.
Taught: Fall and spring
Major phyla in the fossil record; paleo-biological, systematic, and evolutionary aspects; collection and classification of local fossils.
Repeatable: No

♦

GLY 415 Earth Science Applications of GIS (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable-chck w/dept
Introduction to use of geographic information systems for geological and environmental applications. Course covers data management, manipulation and presentation of digital data. Provides hands-on experience with GIS software.

Repeatable: No

♦

GLY 416 Geologic Field Methods (3 credits)
Hours: 1 classroom + 6 lab/studio
Prerequisite(s): Junior standing.
Taught: Summer only
Introduction to the principles of geologic field methods applied to the mapping of geologic structures and the interpretation of geologic history. Course integrates the concepts of geologic investigation through field exercises in the Rocky Mountains.
Repeatable: No

♦

GLY 420 Stratigraphy and Sedimentation with Laboratory (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 335.
Taught: Variable, check with department
Physical and biological basis of stratigraphy; processes of formation and environments of deposition of sedimentary rocks.
Repeatable: No

♦

GLY 425 Economic Geology (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): GLY 335.
Taught: Variable, check with department
An introduction to the geology of our energy, metallic, and nonmetallic natural resources. This course will cover the geologic factors that have led to their formation, the procedures applicable for their exploration, and the geologic conditions that control their environmentally responsible development. Laboratory included.
Repeatable: No

♦

GLY 435 Petrology and Petrography (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 335 and GLY 420.
Taught: Variable, check with department
Students will use petrographic analysis to identify minerals. Students will use this analysis to identify rocks and to evaluate rocks for geologic history as well as for economic applications.
Repeatable: No

♦

GLY 440 Applied Geophysics (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): GLY 110.
Taught: Variable, check with department
Investigate the distribution of geologic materials and their geophysical properties in the shallow subsurface using geophysical field techniques in terms of basic theory, and data collection and interpretation.
Repeatable: No

♦

GLY 445 Geophysical Modeling (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 119 or placement and GLY 360.
Taught: Fall only
The background and theories used to model geophysical methods. The common geophysical modeling techniques in terms of synthetic, forward and inverse modeling procedures.
Repeatable: No

♦

GLY 450 Hydrogeology (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 110 or GLY 120 and MAT 119.
Taught: Spring only
Overview of groundwater's physical and chemical properties and their corresponding principles as they pertain to geologic environments.
Repeatable: No

♦

GLY 455 Groundwater Resources and Management with Laboratory (4 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): GLY 450.
Taught: Fall only
Geologic and hydrologic factors that control the management of groundwater resources; emphasis placed on groundwater management, groundwater quality and groundwater remediation.
Repeatable: No

♦

GLY 461 Ecology and Geology of Coral Reefs (4 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Declared major in natural science.
Taught: Variable, check with department
Ecological and geologic processes in reef ecosystems. Benthic and pelagic biotic communities, reef development and erosion, sedimentation, ancient and modern reefs, responses to environmental change. Required field trip to marine research laboratory.
Repeatable: No

♦

GLY 492 Directed Research: Geology (2-6 credits)
Hours: 2-6 classroom + 0 lab/studio
Prerequisite(s): 24 semester hours in geology.
Taught: Fall, spring, and summer
Independent work in field, laboratory and library on research topic chosen prior to registration. Students must present at a local, regional or national meeting.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

GLY 496 Externship: Geology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Six hours of geology courses; declared major in Geology or Environmental Science.
Taught: Fall, spring, and summer
Off-campus learning at institutions, universities, or businesses conducting geologic studies. Course may be repeated for new externship projects. For students majoring or minoring in geology

or environmental science.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

GERMAN

GER 101 Elementary German I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamentals; introduction to German-speaking countries and cultures; development of skills in conversation, pronunciation, grammar, reading, and writing.
Repeatable: No
General Education Credit: Culture and Creativity

GER 102 Elementary German II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed GER 101 or equivalent.
Taught: Fall and spring
Continuation of GER 101.
Repeatable: No
♦

GER 201 Intermediate German I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed GER 102 or equivalent.
Taught: Fall and spring
Review and extension of basic language skills learned in GER 101 and GER 102; reading and discussion of cultural, linguistic, and literary subjects.
Repeatable: No
♦

GER 202 Intermediate German II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed GER 201 or equivalent.
Taught: Fall and spring
Continuation of grammar review and enhancement of language skills begun in GER 201; consideration of cultural and literary subjects as well.
Repeatable: No
♦

GER 294 Topics in German for the Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 102 *or consent of instructor*
Taught: Variable, check with department
Provides linguistic and cultural competence to prepare students to work within a cross-cultural environment here or abroad. Course content varies and may include topics about health, legal, culinary arts, fashion, engineering, tourism, and trade professions. Taught in German.
Repeatable: No
♦

GER 304 German Composition and Conversation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Advanced practice in writing German compositions and in oral conversation skills.
Repeatable: No
♦

GER 307 Introduction to German Translation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or consent of instructor.
Taught: Variable, check with department
Introductory translation course providing an overview of the considerations that the translator must take into account when approaching a text. Attention is paid to the structural differences between German and English, cross-cultural differences in stylistics, writing with clarity and reference work. Students will have hands-on experience.
Repeatable: No
♦

GER 310 Contemporary German Life (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Study of contemporary German culture and society with a focus on current events as reflected in authentic materials (including film, literature, social media, news media, etc.).
Repeatable: No
♦

GER 311 German Cultural History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Eras, institutions, and issues in the history of Germany; readings primarily in German.
Repeatable: No
♦

GER 320 Survey of German Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Overview of major authors and movements from the Middle Ages to the 20th century.
Repeatable: No
♦

GER 322 German Drama (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Study of major authors and texts in the history of German theater, including representative twentieth century playwrights; readings in German. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

GER 323 German Prose Fiction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Focus on novel, novella, or short story. May be repeated for credit as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

GER 330 Studies in German Language Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or equivalent.
Taught: Variable, check with department
Survey of films produced in the German language. Emphasizes both the aesthetic aspects of the films as well as their historical, political, social and cultural content. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

GER 340 Business German (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or equivalent.
Taught: Variable, check with department
Study of language for broad commercial purposes; cultural awareness in both social and professional situations; historic and contemporary views of government, labor, media, and industrial organization in German-speaking countries; business communication; German-American relations.
Repeatable: No
♦

GER 401 German Phonetics and Pronunciation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of German on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Study of German sound system, how sounds are produced, which ones are used in German, and in what contexts they occur. Satisfies the linguistics requirement for German Education majors.
Repeatable: No
♦

GER 402 Advanced German Grammar and Syntax (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of German on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Study of German grammar through analysis of key linguistic structures and applied practice. Analysis of word formation, sentence structure, and semantics. Satisfies the linguistics requirement for German Education majors.
Repeatable: No
♦

GER 480 Studies in German Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Topics in culture and language of German-speaking countries. May be repeated for credit as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

GER 481 Studies in German Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GER 202 or appropriate placement score.
Taught: Variable, check with department
Topics in literature, literary history, and literary theory. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

GER 499 Independent Study: German (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Readings in language and literature and culture.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

GER 520 Readings: German (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

HEALTH COMMUNICATION

HCOM 301 Health Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or *CMST 110*
Taught: Fall and spring
Students learn how health communication operates in their own lives and learn professional health communication skills; students gain a strong understanding of the field and its possibilities through communication theory and strategies; students learn to evaluate health messages for meaningful content.
Repeatable: No
♦

HCOM 305 Patient-Provider Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or instructor permission.

Taught: Fall and spring
This course is intended to help students understand the dynamics of patient-provider interactions in a health care setting. A variety of types of medical encounters will be examined with special attention paid to the role of narrative and rhetorical theory when analyzing communication between providers and their patients.
Repeatable: No
♦

HCOM 315 Sociocultural Aspects of Health (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or Instructor Permission.
Taught: Variable, check with department
This course is focused on the role of sociocultural factors in the creation, understanding, and utilization of messages related to health. The course also focuses on sociocultural aspects of health as they relate to communication about health disparities, as well as approaches to addressing health disparities within underserved populations.
Repeatable: No
♦

HCOM 450 Health Campaigns (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 403 or HCOM 301 or Instructor Permission
Taught: Fall and spring
This course is designed to introduce students to health campaign planning, implementation and evaluation. Working in teams, the students will design, implement and evaluate a campaign for an outside client organization.
Repeatable: No
♦

HCOM 480 Communication Technology and Health (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior Standing or Instructor Permission .
Taught: Fall and spring
This course focuses on the role of information communication technology in improving health literacy and sensemaking including but not limited to understanding electronic medical records, patient-provider electronic interactions, online social support, online consent, privacy management, and health information seeking.
Repeatable: No
♦

HCOM 485 Communicating Health Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 403 or HCOM 301
Taught: Variable, check with department
This course focuses on communication and debate about health policy. It will examine US and global healthcare systems and policies and their impact on health outcomes. It will describe the role communication and debate have played in the effectiveness of policies development and their implementation.
Repeatable: No
♦

HCOM 492 Directed Research (0-6 credits)
Hours: 0 classroom + 0-6 lab/studio
Prerequisite(s): Junior Standing or Instructor Permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HCOM 494 Special Topics: Health Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Taught: Variable, check with department.
Examine significant topics in health communication. Topics vary semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 9 Hours

HCOM 495 Study Abroad (1-3 credits)
Hours: 1-3 Classroom + 0 Lab Studio
Prerequisite(s): Varies by Topic
Taught: Variable, check with department.
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HCOM 496 Health Communication Internship (3 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): CMST 403 or HCOM 301 , and Junior Standing.
Taught: Fall and spring
This course involves selected placement of qualified students in off-campus health communication professions.
Repeatable: No
Available High Impact Practices: internship
♦

HCOM 499 Independent Study (1-3 credits)
Hours: 1-3 Classroom + 0 Lab Studio
Prerequisite(s): Varies by Topic
Taught: Variable, check with department.
Individually supervised work involving reading and analysis. Topic is selected before registration in conference with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HEALTH EDUCATION

HEA 125 Foundations of Health Ed & Promotion (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and summer
Foundational course examines health education as an emerging profession, explains the role of health educators within the field of

community/public health, and implantation of health education programs in schools, community, and patient education settings. Emphasis on health education concepts, settings, methods, research, philosophies, and beliefs.
Repeatable: No

HEA 135 Safety and First Aid (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
First aid measures for injuries, emergencies, and sudden illness; skill training in all procedures; general safety education; accident causes and remedial action. American Red Cross certification in basic first aid and CPR for students passing the examinations.
Repeatable: No

HEA 230 Personal Health and Wellness (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Major health issues/problems associated with lifestyle related behaviors and prevention strategies, Nutrition, physical activity and weight management, mental health, sexuality, environmental health, communicable and chronic diseases, consumerism, stress management, and aging.
Repeatable: No

HEA 250 Health Education for Elementary Teachers (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 104.
Taught: Fall, spring, and summer
Content and skills for developing, implementing, and evaluating health education in the P-5 classroom.
Repeatable: No
♦

HEA 320 Drug and Alcohol Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
Effects of drug use and abuse on the individual and society. Personal, school and community approaches toward establishing intelligent use of drugs.
Repeatable: No
♦

HEA 350 Sexuality Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall only
Current issues in sexuality education; psychological, biological, and sociological aspects of sexuality; dealing with controversial areas of sexuality; scope and sequence of sexuality education K-12.
Repeatable: No
♦

HEA 370 Community Health (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 125, *junior standing, or permission of instructor*
Taught: Fall and Spring
Examines community & public health principles, current delivery systems in the U.S.; major areas of community/public health, epidemiology, health care management, environmental and social behavioral health, health informatics, current issues and alternative solution; develop beginning skills in community assessment and health promotion strategies.
Repeatable: No

HEA 489 Field Experiences in Health Education (2 credits)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): HPE 425
Taught: Fall only
Supervised practice teaching experience in elementary, middle, and high school setting. Integrated with methods course.
Repeatable: No

HEA 500 Theory & Behavior in Health Promotion (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior Standing or permission of the instructor.
Prerequisite OR Co-requisite: HEA 125, HEA 370
Taught: Fall and spring
Presentation and analysis of determinants of health-related behavior, description of utilization of theory/model (behavioral and social science) common to health education/promotion research and interventions for community & public health; application of theories in practice. Emphasis on common theories used to design, implement, and evaluate health education/promotion interventions.
Repeatable: No
♦

HEA 510 Research Methods in Health Promotion (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): Junior standing or permission of the instructor.
Prerequisite OR Co-requisite: HEA 125, HEA 370
Taught: Fall and spring
Basic concepts of health education research. Designs (quantitative, qualitative, mixed methods, participatory); data collection strategies; ethical issues/standards/training; develop pertinent research questions/hypotheses; develop proposals; data collection instruments; identify, critique/evaluate research in terms of design, technique, analysis and interpretation; explore and practice research dissemination; develop high quality health education research projects.
Repeatable: No
♦

HEA 520 Health Promotion Strategies & Methods (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or permission of the instructor.
Prerequisite OR Co-requisite: HEA 125, HEA 370
Taught: Fall and spring
Course emphasis on materials and methods used in community and public health settings to select/design, organize, present/deliver and evaluate health promotion programs that are contextually appropriate for a given audience/circumstance. Political advocacy, media utilization, community organizing, educational presentations, material development, legislative action/involvement, address multicultural groups.
Repeatable: No
♦

HEA 530 Health Promotion Program Planning (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or permission of the instructor.
Prerequisite OR Co-requisite: HEA 125, HEA 370
Taught: Fall and spring
Theoretical and practical perspectives of community health planning. Emphasis on the major components of any planning model; needs assessment; priority setting; problems statement; program goals and objectives; and budgeting. Additional topics include: ethical issues related to community health program planning; influence of diversity on interventions; and grant writing.
Repeatable: No
♦

HEA 540 HP Program Implementation & Evaluation (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or permission of the instructor.
Prerequisite OR Co-requisite: HEA 125, HEA 370, HEA 500, *and* HEA 530
Taught: Fall and spring
Develop basic skills to implement, evaluate and manage community/public health promotion programs. Concepts, tools, data collection, analysis methods, designs used to evaluate (program process, impact and outcome effectiveness) and manage health promotion programs. Critique and conduct competent and interesting evaluations of health-related programs.
Repeatable: No
♦

HEA 599 Topics: Health Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Individual or group study of a topic of current interest in health education. Topic selected by student with approval of instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 15

HPE 425 Teaching Methods in Health and Phys Educ (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 311, PHE 333, PHE 335,HEA 230 HEA 370
Co-requisite(s): PHE 490
Taught: Spring only
Development of theory, content, and instructional strategies, including national and state standards, for effective teaching of physical education and health education at the elementary, middle, and high school levels.
Repeatable: No
♦

HEALTH INFORMATICS

HIN 101 Introduction to Health Informatics (1 Credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall Only
This course will introduce Health Informatics including definitions, theory, technologies, workflow and expectations in the informatics field and professional organizations. Class material will involve discussions, computer lab and current trends.
Repeatable: No

HIN 200 Introduction to Healthcare Operations (3 Credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and Spring
Examines the structure of healthcare delivery in the United States through a systems approach. Through analyses of the organization of healthcare delivery as an integrated system of functional components and applied studies, students will understand the healthcare workplace and roles within it, and how they are shaped by technology, practices and procedures.
Repeatable: No

HIN 275 Information Management and Revenue Cycle (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Healthcare funding in the United States and the role of information management in these processes. Encompasses service reimbursement, computer and business systems involved, and the influence reimbursement has on healthcare delivery. Introduction of software and the role of medical coding in reimbursement, including symbols, abbreviations, and coding conventions.
Repeatable: No

HIN 355 Foundations of Health Informatics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 45 earned credit hours
Taught: Fall and spring
The Introduction to Health Informatics is an introduction to the concepts and trends in the Health Informatics field both locally and nationally. Several areas will be introduced that will provide baseline knowledge for a Health Informaticist.
Repeatable: No

HIN 356 Health Information Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIN 355.
Taught: Fall and spring
Health Information Management is a course focusing on data management, requirements and standards, classification systems, and reimbursement in relation to healthcare processes. Provides health informatics and basic information systems knowledge for working in a health delivery environment or a health related organization and in the application of concepts through the use of clinical software. It is expected that students will be competent in the use Microsoft Excel, PowerPoint and Word.
Repeatable: No
♦

HIN 382 Healthcare Information Security and Privacy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIN 355.
Taught: Fall only
An introduction to the various technical and governance aspects of healthcare information security and privacy. Provides the foundation for understanding the key issues and regulations associated with protecting patient information and rights, along

with determining the appropriate levels of risk management, data protection, and security incident detection and response.
Repeatable: No

♦

HIN 386 Healthcare Data (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing

Taught: Fall
Introduces students to the use of data within the healthcare industry and managing health data electronically, including healthcare data standards and structures, health information exchange, government regulations, data quality, electronic health records, decision support, interoperability, information governance, and use of AI, machine learning, and data science in healthcare.
Repeatable: No

HIN 392 Directed Research in Health Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Permission of Department.
Taught: Variable-chck w/dept
Research project relating to Health Informatics. Academic credits are awarded based on the defined project scope, deliverables and student learning objectives on a variable scale.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIN 396 Applied Heath Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Departmental permission.
Taught: Variable, check with department
Applied projects and experiential learning work experience relating to health informatics. Academic credits are awarded based on defined student learning objectives and coinciding project and/or practical work experience in the health informatics field (on a variable scale). Repeatable for up to 6 credit hours. 3 hours can be applied as an elective to the HIN minor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIN 397 Health Informatics Project (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Applied projects relating to health informatics. Academic credits are awarded based on the defined project scope, deliverables and student learning objectives on a variable scale. Repeatable for up to 6 credit hours. Only 3 hours can be applied as an elective to the HIN major or HIN minor.
Repeatable: No

♦

HIN 450 Quality Management in Healthcare (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIN 275.
Taught: Fall only
An introduction to principles of quality management including understanding of the various strategies used to assess quality within healthcare organizations, and the methods and techniques and technology used to achieve high levels of quality in both patient centric care and population health stakeholder organizations.
Repeatable: No

♦

HIN 485 Health Informatics Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing and consent of department.
Taught: Spring only
Students will investigate and analyze current trends and research to refine their understanding of Health Informatics and to prepare to better utilize information technologies. It also focuses on setting the direction for Health IT resource planning and the development of policies and strategies. The class uses pertinent theories and cases to integrate academic experience into real world situations.
Repeatable: No
Available High Impact Practices: research/creativity

♦

HIN 486 Healthcare Analytics (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIN 386 or Business Informatics departmental permission
Taught: Spring only
Introduces students to health analytics through the use of technologies and applied statistical analysis used to improve patient care outcomes and to enhance the delivery of healthcare services including healthcare statistics, tools for organizing, analyzing, and preparing data, healthcare data analysis, study designs, exploratory data application, and benchmarking.
Repeatable: No

HIN 499 Independent Study: Health Informatics (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Senior standing and declared HIN major or minor; or permission from department
Taught: Variable, check with department
Student investigation of a topic or completion of a project. Meeting times arranged with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HEALTH SCIENCE

HSC 101 Introduction to Health Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
An overview of current health care systems and roles of various health care practitioners, to include communication, safety, professionalism and trends in the delivery of health care.
Repeatable: No

HSC 410 Healthcare Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
Basic applied management functions in the healthcare setting; personnel and patient scheduling; purchasing procedures; budget and quality improvement process; organization relationships and authority.
Repeatable: No
♦

HSC 413 Aging in Today's Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
Role of the older adult in society; promotion of health, support of continued learning, right to peaceful death. Theories of aging and ethical/legal concepts. Includes experiences with the older adult in the community, acute and long term care settings.
Repeatable: No

HSC 415 Ethical and Legal Issues in Healthcare (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
This course presents an overview of the legal issues facing the health care industry. It provides students with basic working knowledge of healthcare law and ethics. It is a comprehensive and inclusive review of a wide variety of health care legal issues. Students are provided with a realistic knowledge of health law and its application to the real world.
Repeatable: No
♦

HSC 421 Healthcare Research (3 credits)

Prerequisite(s): STA 205 or STA 205R with a "C" or higher and junior standing

Health Science major, Health Science minor, Radiologic Science major, Respiratory Care major, Radiation Therapy major or consent of the Health Science Program Director.
Taught: Variable, check with department
Overview of the research process for health care professions; historical development of research in health care; role of research in scientific advancement of health care; development of ability to critique clinical health care studies.
Repeatable: No
♦

HSC 440 Issues in Chronic Disease Management (3 credits)

Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
An in-depth study of the most common types of chronic disease that impact patient care and quality of life from a multidisciplinary viewpoint. Evaluation of the role of a case manager in relation to chronic disease management with a focus on factors that influence the prevalence and management of chronic disease.
Repeatable: No
♦

HSC 480 Global Perspectives of Health Care (3 credits)

Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
Discussion and research related to current issues and problems related to health care professions.
Repeatable: No
♦

HSC 494 Topics in Healthcare (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing AND Health Science Major, Health Science Minor, Radiologic Science Major, Respiratory Care Major, Radiation Therapy Major or consent of the Health Science Program Director
Taught: Variable, check with department
Focused study and analysis of a specific topic related to health care. May be repeated when topics vary, for a maximum of 9 semester hours. See Schedule of Classes for specific topic.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

HSC 499 Independent Study: Health Care (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Health Science major with a minimum GPA of 2.5 or consent of instructor; approved independent study proposal.
Taught: Variable, check with department
Individually supervised work involving reading, research and/or project related to health care. Topic must be selected before registration in conference with instructor; agreement to include purpose, objectives, instructional activities, time frame, and evaluation method. Not intended as substitution for any course offered on a regular basis. May be repeated for maximum of 6 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HSC 510 Trends and Cultural Issues in Healthcare (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing or admission to the MSHS or MSN programs.
Taught: Variable, check with department
An overview of the U.S. healthcare system, both past and present, coupled with an in-depth analysis of modern trends and those expected in the future; Evaluation of the current status of our healthcare system with emphasis on cultural diversity and competency.
Repeatable: No

♦

NTR 101 Introduction to Nutrition and Dietetics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Nutritional Science & Dietetics Major.
Taught: Fall
Introduction into the field of nutrition and dietetics. Understand the educational background and the role of dietitian/nutritionist in public health and the clinical setting. Focus on the examination of dietetic profession including careers, professional issues, legislation/public policy, ethics, communication and counseling skills, and competencies required to become a registered dietitian/nutritionist.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 110 Food Safety & Sanitation (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Students enrolling in this course must be dietetic majors or majors within health professions with permission to take this course from the instructor.
Taught: Fall
Introduction into food safety and sanitation enabling students to better understand principles of sanitation for the food processing and retail foods industries. Examination of food safety programs to control biological, chemical and physical hazards and assure the safety of foods. ServSafe Foodservice Management certification earned with successful completion of course.
Repeatable: Yes
If Repeatable, Max. Credits: 1

♦

NTR 120 Food Preparation & Meal Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Students enrolling in this course must be enrolled in NTR 110 or have previously taken this course and received credit.
Taught: Fall
Fundamental and basic concepts of culinary techniques and cookery. Understanding how various cooking techniques impact food composition and nutritive value. Use of specific techniques with menus to meet therapeutic needs. Laws and regulatory agencies involved in the control of the U.S. food system will be examined.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 150 Principles of Dietetics Practice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Students enrolling in this course must be a dietetics, nursing, or other allied health major or have permission from the instructor to take this course. Additionally, students must have completed BIO 151/BIO 151L.
Taught: Fall
Fundamental concepts of normal and disease specific energy metabolism, basic nutrigentics, basic assessment of an individual's nutritional status through diet analysis, and understanding of essential, non-essential and non-nutrients selection. Provides the necessary knowledge and skills to assess and develop basic nutritional recommendations for various patient populations.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 220 Food Service Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NTR 120.
Taught: Spring only
Overview of the management practices used to direct, operate and control foodservice operations. Students will gain an understanding of volume food production and service through a series of problem-based learning activities as well as didactic coursework. Emphasis will be on practical case studies, and applied field practicums.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 320 Advanced Nutrition (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NTR 150.
Taught: Fall and spring
Study of nutrition and energy metabolism as it relates to normal and disease specific physiology; includes advanced study of macronutrients and micronutrients in humans, as well as energy metabolism and the relationship of these dietary components to health and disease.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 345 Dietetics Professional Practice I (6 credits)
Hours: 6 classroom + 0 lab/studio
Prerequisite(s): NTR 220.
Taught: Summer only
Competency-based professional practice in dietetics to include foodservice management, food production, and patient care/meal management. Conducted under the supervision of registered dietitian and clinical faculty.
Repeatable: Yes

If Repeatable, Max. Credits: 6

♦

NTR 410 Life Cycle Nutrition (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NTR 320.
Taught: Fall
This course will study the role of nutrition through each life stage; pregnancy, lactation, infancy, childhood, adolescence, and older adulthood from physiological, social, and behavioral perspectives, focusing on the special nutritional needs of each life stage for optimal growth and development, maturation, aging, and overall health and well-being.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 420 Nutrition & Chronic Disease Management (3 credits)

Prerequisite(s): NTR 410.
Taught: Spring only
This course will focus on obesity, CVD, diabetes, CKD, cancer, and pulmonary disease, with each disease process being discussed to understand key nutrient deficiencies in the disease process and medical nutrition therapy to manage the disease. Chronic disease prevention through the use of nutritional interventions will also be emphasized.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 435 Global and Community Nutrition (3 credits)

Prerequisite(s): NTR 320.
Taught: Fall
This course will provide students with an overview of epidemiology and population based health. This course will focus on understanding the socio-cultural determinants of health as they relate to nutrition. Readings and discussions will emphasize local and global food systems, health inequity, and public policies impacting food and nutrition.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NTR 445 Dietetics Professional Practice II (6 credits)
Hours: 6 classroom + 0 lab/studio
Prerequisite(s): NTR 435 and be a nutritional science & dietetics major.
Taught: Summer only
Competency-based community & public health nutrition in dietetics to include epidemology, public policy, program design & evaluation, and public health principles. Conducted under the supervision of registered dietitian and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NTR 510 Experimental Food (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 311/CHE 311L.
Taught: Spring only
This course includes a general overview and principles; food constituents and properties; quality and safety; preservation methods; processing animal and plant products.
Repeatable: No

♦

NTR 512 Integrative & Functional Nutrition (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CHE 482/CHE 482L and NTR 410.
Taught: Spring only
This course provides an overview of the nutrigenomics and disease risk, through the exploration of genetic and biochemical individuality. The course will focus on the impact of dietary intake and underlying genetic interactions and susceptibility to disease, along with a systems-based approach to disease prevention and management through food.
Repeatable: No

♦

NTR 520 Nutrition and Physical Activity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of program director.
Taught: Spring only
This is an advanced nutrition course focused on bioenergetics, physiological adaptations to physical activity, and training nutritional challenges. This course will prepare students for the sports dietetics board examination covering specific topics related to nutrition meal periodization, menu development for training table, review of dietary intake methodologies, and nutritional counseling.
Repeatable: No

♦

HISTORY

HIS 100 History of Europe to 1500 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Survey of Europe including Greco Roman civilization, the Middle Ages, the Renaissance, and the emergence of the modern era.
Repeatable: No

HIS 101 History of Europe since 1500 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Survey of Europe from 1500 to the present; impact of modern political revolution, the industrial revolution, and social and cultural alterations that have shaped contemporary society.
Repeatable: No

HIS 102 History of the United States through 1877 - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
The nation's development from the beginning through the Civil War and Reconstruction. Designed to meet demands for a general understanding of U.S. history. General education credit: Culture and Creativity
Repeatable: No

HIS 103 History of the United States since 1877 - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Exploration of the nation's development since 1877. Designed to meet demands for a general understanding of U.S. history. General education credit: Culture and Creativity
Repeatable: No

HIS 106 History of African Americans to 1877 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Major trends of African American history from its 15th century West and Central African heritage to enslavement and ultimate emancipation; conditions and contributions of African American men and women within the American experience.
Repeatable: No

HIS 107 History of African Americans since 1877 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Major trends of African American history from the end of Reconstruction; responses of African Americans to Jim Crow; African American participation in the two world wars, the Vietnam War, and the Civil Rights movement.
Repeatable: No

HIS 108 World History to 1500 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Political, social, economic and cultural development of major world societies to the expansion of the western world.
Repeatable: No

HIS 109 World History since 1500 (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Political, social, economic and cultural development of major world societies in the modern era.
Repeatable: No

HIS 111 Global Viewpoints in History - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, summer
This course examines a particular continent, cultural region, or nation, focusing on the historical themes, people, and events that fashioned it today, especially those relating to imperialism and colonialism.
Repeatable: No
General Education Credit: Global Viewpoints

HIS 200 Poverty, Prosperity, and Opportunity - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, summer
A social, political, and economic overview of poverty with special exploration of why poverty persists in the midst of prosperity. This transdisciplinary course fulfills one of the Foundation of Knowledge Individual and Society requirements.
Repeatable: No
General Education Credit: Individual & Society (Self & Society)

HIS 291W Advanced Historical Writing - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 or equivalent.
Taught: Fall and spring
This course requires students to study and practice writing in a variety of expository forms, with attention to audience, purpose, and conventions appropriate to writing situations; emphasis on research- based writing and persuasive strategies.
Repeatable: No
General Education Credit: Written Communication II

HIS 294 Topics in History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Any 100-level history course.
Taught: Variable, check with department
Focused study of historical topic(s) from an introductory level that is/are not included in regular history curriculum. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIS 300 The Ancient Near East and Greece (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
Birth of civilization in Egypt and Mesopotamia; ancient near East and Greece to the conquest of Greece by Philip of Macedon.
Repeatable: No

♦

HIS 301 The Hellenistic World and Ancient Rome (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
Conquests of Alexander the Great; main features of the Hellenistic world and the Roman Empire.
Repeatable: No

♦

HIS 302 The Byzantine Empire (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Examination of the political, military, social, religious, and cultural developments of the Byzantine Empire (ca. AD 330-1453), the connections of the Byzantines to antiquity and the Middle Ages, and Byzantine interactions with Christian monarchies of western Europe, Islamic caliphates of western Asia, and the diverse peoples

of northern Africa.
Repeatable: No

HIS 304 Renaissance Europe (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
Developments from Petrarch to the Treaty of Westphalia; significant cultural and religious trends.
Repeatable: No
♦

HIS 305 Reformation Europe (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
German, English, Swiss, and French reformations; Counter Reformation; religion, politics, and social and intellectual change, 1494-1648.
Repeatable: No
♦

HIS 310 Colonial America to 1763 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall only-odd years
Origins and development of the English colonies.
Repeatable: No

HIS 311 The American Revolution, 1763-1789 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
Causes of the break between America and Great Britain; the war for American independence; the confederation period; writing and adopting the Constitution and the Bill of Rights.
Repeatable: No
♦

HIS 312 History of the Early Republic, 1789-1828 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
Successful consolidation of the U.S. as a modern nation-state.
Repeatable: No
♦

HIS 313 Jacksonian America & Conflict 1828-1860 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Spring only-odd years
Political, social, and economic transformation of the United States from adolescent Early Republic to emerging superpower, and the sectional conflict that led to the Civil War.
Repeatable: No
♦

HIS 314 Rise of the Industrial United States, 1865-1900 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Effects of increased industrialization and urbanization on the U.S. economy, government, and post-Civil War society.
Repeatable: No
♦

HIS 315 Modern U.S. History, 1900-1939 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
Major changes that marked the U.S. during the first 40 years of the 20th century.
Repeatable: No
♦

HIS 317 History Behind American Treasures (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Students compare the way historians use material culture with its use by television producers and museum curators.
Repeatable: No
♦

HIS 321 Modernization in the Non-Western World (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
The "Third World" nations; problems resulting from conflicting dynamics of independence and modernization.
Repeatable: No
♦

HIS 326 Latin America: Nations & Revolutions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
Examination of the multiple struggles of the Latin American peoples from the independence revolutions of the 19th century to the Present, including socio-economic and political confrontations, race and gender conflicts, environmental pressures, and the contradictions of tradition and modernity.
Repeatable: No
♦

HIS 329 History of Middle East and North Africa (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Evolution of southwestern Asia and north Africa since the rise of Islam; 19th and 20th century origins of contemporary problems.
Repeatable: No
♦

HIS 330 Jewish History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
A survey of the history of the Jewish People from the patriarchs to the present, covering the global development of Jewish intellectual

history and cultural identities, including interactions with surrounding cultures and civilizations.
Repeatable: No
♦

HIS 331 History of the Arab Israeli Conflict (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Spring only
Survey of the Arab Israeli Conflict from the history of Jews and Palestinians before the Conflict began and tracing its development from the rise of nationalist movements until today. The course discusses peace initiatives, diplomacy, the impact of superpowers, social and cultural issues, including shared cultural heritage, and internal divisions.
Repeatable: No

HIS 335 History of Ancient Africa (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Examination of African History from the earliest humans to the transatlantic slave trade. Course stresses the use of interdisciplinary sources to reconstruct African History and counter popular myths about Africa and Africans.
Repeatable: No
♦

HIS 336 History of Modern Africa (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
Examination of African History from the transatlantic slave trade to the current era. Course stresses the historical roots of current African conditions via an understanding of the transatlantic slave trade, colonialism, and African cultural, economic and political traditions.
Repeatable: No
♦

HIS 338 History of Japan (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Traditional and modern Japan; cultural, political, religious and philosophical survey.
Repeatable: No
♦

HIS 339 China: Prosperity, Poverty & Socialism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
A survey of the historical, geographical, political, cultural, and economic factors influencing the development of China from earliest times to the present, with special focus on how China evolved from being one of the world's most prosperous civilizations to one of it poorest to one of its economic marvels.
Repeatable: No
♦

HIS 353 British History to 1485 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
From the Roman invasion to the end of the Middle Ages.
Repeatable: No
♦

HIS 354 British History from 1485 to 1763 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
From the founding of the Tudor dynasty to the accession of George III.
Repeatable: No
♦

HIS 355 British History 1760 - Present (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
From the accession of George III to the present.
Repeatable: No
♦

HIS 360 Europe: From Poverty to Prosperity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
A social, political, and economic overview of Europe from medieval times to the present, focusing on why Europe went from being one of the world's poorest civilizations to one of the most prosperous.
Repeatable: No
♦

HIS 361 History of Germany (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
A survey of the historical, geographical, political, cultural, and economic factors influencing the development of Germany from earliest times to the present.
Repeatable: No
♦

HIS 362 Women and Christianity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
A thematic introduction to major issues in the history of women and Christianity.
Repeatable: No
♦

HIS 365 Ancient European Military History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
Interaction between warfare and European society from the ancient world to the Renaissance.

Repeatable: No

♦

HIS 379 History and Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Study of selected literature and its interrelationship with history. Topics vary by instructor; may be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 380 History and Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Film as a reflection and a shaper of history. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 381 History and the Arts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Study of a selected art form and its interrelationship with an historical era. Topics vary by instructor, may be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 382 History of Kentucky (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
History of Kentucky from 1750 to the present; political, economic, and social issues; how developments in the Commonwealth related to trends in U.S. history.
Repeatable: No

♦

HIS 383 American Immigration History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
A thematic introduction to the major issues in the history of American immigration.
Repeatable: No

♦

HIS 384 History of American Religion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
A thematic introduction to the major issues in the history of American religion.
Repeatable: No

♦

HIS 387 Modern American History, 1945-1975 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
Social and political developments in the U.S., 1945-1975.
Repeatable: No

♦

HIS 388 Recent US History, 1975- Present (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-odd years
Social and political developments in the U.S. since 1975.
Repeatable: No

♦

HIS 394 Special Topics in History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Class in topic not included in regular history curriculum. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 395 Study Abroad in History (1-15 credits)
Hours: 1-15 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
An opportunity for students to engage in one or more officially-sponsored and/or departmentally-approved History courses abroad, ranging from one week to an entire semester. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 400 American Military History to 1865 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall only-even years
American military experience and its relationship to other historical developments from the colonial era to the end of the Civil War.
Repeatable: No

♦

HIS 401 American Military History 1865-Present (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall only-even years

The American military experience and its relationship to other historical developments from the end of the Civil War to the present.
Repeatable: No
♦

HIS 414 The Holocaust (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
A study of genocidal European Holocaust during World War II, the role of the history of antisemitism, the influence of racist ideologies on Nazi Germany, and its lessons for today.
Repeatable: No
♦

HIS 417 Civil War and Reconstruction, 1860-1877 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Causes of the Civil War; the war in the field and on the home front; slavery, emancipation, and the economic, political, and social consequences of reconstruction.
Repeatable: No
♦

HIS 418 Researching Underground Railroad History (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-even years
Examines the origin, development, and impact of the Underground Railroad in the Ohio Valley, the first multi-racial, multi-ethnic, multi-class, and human rights movement, from a local historical perspective.
Repeatable: No

HIS 428 History of American Popular Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
Historical analysis of the creation of popular entertainment for and by working class Americans between the mid-1800s to the present day.
Repeatable: No
♦

HIS 429 History of Baseball (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
Examines the development of the game of baseball, assesses its impact on society, and explores how the playing of the game in a specific time period reflected that era in American history. Also important is an analysis of how the game was influenced by various "outside" historical forces.
Repeatable: No

HIS 431 Historical Themes in African-American History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Experiences undergone by Africans in the diaspora from Africa and subsequent scattering throughout the U.S.; struggles over race and gender within the context of dominant political, economic, social, and cultural institutions; attempts by Blacks to build an enduring community.
Repeatable: No
♦

HIS 435 History of Race Relations in the Americas, 1492-1800 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Major influences in the formation of race relations in the Americas (U.S. and Latin America) from the European explorations to the revolutions for independence; role of race in the development of European colonies in the Americas.
Repeatable: No
♦

HIS 436 History of Race Relations in the Americas, 1800-Present (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Major influences in the development of race relations in the Americas (U.S. and Latin America) from the revolutions for independence to the present; role of race in the development of modern nation states in the U.S. and Latin America.
Repeatable: No
♦

HIS 438 African-American Women's History and Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This discussion-oriented course is a history of African-American women that begins by examining African women and their cultures prior to European contact and ends with a look at women in the Civil Rights Movement.
Repeatable: No
♦

HIS 442 History through Biography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Examination of various historical eras through study of lives of influential and outstanding individuals from diverse areas. Topics vary. May be repeated once for credit.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIS 444 History of Women in the U.S. to 1900 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Women's role in U.S. economic, social, political, and cultural development until 1900; participation of women in historical eras from earliest societies through industrialization as experienced in diverse ways depending on racial, ethnic, class, and regional differences.
Repeatable: No
♦

HIS 445 History of Women in the U.S. since 1900 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Women's role in U. S. economic, social, political, and cultural development since 1900; participation of women in recent history as experienced in diverse ways depending on racial, ethnic, class, and regional differences.
Repeatable: No
♦

HIS 451 History of the New South (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Spring only-odd years
A detailed analysis of the southern region of the United States after the Civil War with al focus on the major cultural, political, economic, gender, and racial trends that developed in this area from 1865 to the present.
Repeatable: No

HIS 453 American Frontier (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Spring only-odd years
Examines westward movement and its effects on national character to 1890. Topics include economics, transportation, wars, government land policy, Native Americans, frontier life and cultural impact.
Repeatable: No

HIS 470 Europe in the Ancient World (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Fall only-odd years
Examines the cultural interactions that shaped the Greco-Roman world by paying special attention to the ever-changing notion of "the barbarian." This analysis will illustrate that the exchanges between so called "barbarian" and "civilized" peoples shaped Ancient Europe in ways that historians have only recently come to understand.
Repeatable: No

HIS 471 Medieval and Early Modern Europe (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Spring only-even years
Examines the cultures, societies and structures of Medieval and Early Modern Europe paying particular attention to continuities and contrasts with Europe's common heritage from the classical world.
Repeatable: No

HIS 472 Modern and Contemporary Europe (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Fall only-even years
Examines European and Western history more broadly, from a cultural perspective, paying special attention to the lasting ramifications of the Reformation and the French Revolution on the development of contemporary European mentalities.
Repeatable: No

HIS 485 History of Terrorism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only-odd years
A global examination of the historical evolution and significance of terrorism.
Repeatable: No
♦

HIS 489 Senior Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIS 291W or the equivalent
Taught: Spring only
A capstone course for history majors involving the study of historiography, methodology, career options and the preparation of an extended research project.
Repeatable: No
♦

HIS 492 Directed Research: History (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable-chck w/dept
Individual research in an area of history under supervision of faculty member. May be repeated once for credit if topic varies.
Repeatable: No
♦

HIS 494 Topics: History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Class in topic not included in regular history curriculum. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 496 Practicum: History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Participation in planning, implementation, and administration of civic engagement, public history, or other departmental projects under supervision of faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 12 credit hours

♦

HIS 499 Independent Study: History (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individualized study of a special topic under supervision of faculty member. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 501 Introduction to Public History (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Sophomore Standing
Taught: Variable, check with department.
Exploration of different non-academic career fields open to history and humanities majors; coursework includes reading current scholarship by different public history practitioners and active, experiential, service, and problem based learning projects.
Repeatable: No

HIS 522 Introduction to Historic Preservation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only-even yrs
An examination of the growing field of historic preservation including such topics as philosophy, recognition and assessments, survey techniques, preservation planning, conservation, advocacy, federal compliance, and protection of significant resources.
Repeatable: No

♦

HIS 592 Directed Research in History (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individual research in an area of history under supervision of faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIS 594 Special Topics in History (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Lecture class in topic not included in regular history curriculum. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 595 Study Abroad in History (1-15 credits)
Hours: 1-15 classroom + 0 lab/studio
Prerequisite(s): Departmental permission.
Taught: Variable, check with department
An opportunity for students to engage in one or more officially-sponsored and/or departmentally-approved History courses abroad, ranging from one week to an entire semester. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

HIS 596 Internship: History (0-6 credits)
Hours: 0-6 classroom + 0 lab/studio
Prerequisite(s): Sophmore standing
Taught: Fall and spring
Supervised work experience in a community history agency or institution or experiential learning in an aspect of public history under the direction of a faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HIS 599 Independent Study: History (0-6 credits)
Hours: 0-6 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individualized study of a special topic under supervision of faculty member. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HONORS

HNR 100 Curiosity and Conversation in Honors (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): ENG 101 and *ENG 102* ; or *ENG 104* ; or *ENG 101* and *CMST 101* ; or permission of program director
Taught: Fall and spring
Allows students entering the Honors College with prior written and oral communication credit to practice interdisciplinary approaches to problem solving, inquiry based learning, collaboration, and critical thinking with other students new to honors, enabling a successful transition to honors learning.
Repeatable: No

♦

HNR 101 Introduction to Honors Learning - WC/OC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Admit status.

Taught: Fall only
An introduction to interdisciplinary approaches to problem solving, this course emphasizes critical thinking and communication skills based in an appreciation of the rhetorical situation. This course enables a successful transition to college and honors learning.

Note: this course counts towards both WC and OC general education categories.
Repeatable: No
♦

HNR 102 Interdisciplinary Research Process - WC/OC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 101 or ENG 101/ENG 104.
Taught: Fall and spring
Students will design an interdisciplinary project to answer a research question. Written and oral communication about the project throughout the semester will enrich the steps of the process.

Note: this course counts toward both WC and OC general education categories.
Repeatable: No
♦

HNR 200 Project-Based Learning in Honors (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): HNR 100 ; or *ENG 101* , *ENG 102* , and *CMST 101* ; or *ENG 104* and *CMST 101* ; or permission of program director.
Taught: Fall and spring
Introduces transfer or continuing students who have completed university written and oral communication requirements to frameworks for honors education including: interdisciplinary approaches to problem-solving; scholarly, creative, and applied inquiry; project-based learning; collaboration; critical thinking; and independent project design. Does not fulfill Foundation of Knowledge General Education requirements.
Repeatable: No
♦

HNR 210 Scholarly Approaches to the Nat. World - NS/QR (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Research, analysis, critical thinking, and deliberative process that leads to creative practice, scholarly interpretation, or problem solving. Acquiring skills to collect, organize, and analyze data with a lab component. Focus on effective communication to various audiences.

Note: this course counts toward both NS and QR general education categories.
Repeatable: No
♦

HNR 220 Scholarly Approaches to Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Exploring human society through research, analysis, critical thinking, and deliberate processes that lead to creative practice, scholarly interpretation, and problem solving. Focusing on effective communication to various audiences.
Repeatable: No
♦

HNR 230 Scholarly Approaches to Humanity - AH/SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Introduces the standards and processes of scholarly inquiry and communication about knowledge, culture, and the arts from an interdisciplinary, humanities- and arts-based perspective. The course emphasizes research, analysis, critical thinking, and deliberative process as essential to creative practice, critical interpretation, or innovative problem-solving.

Note: this course counts toward both AH and SB general education categories.
Repeatable: No
♦

HNR 240 Sophomore Honors Enhancement (0-1 credits)
Hours: (0-1 classroom + 0 lab/studio)
Prerequisite OR Co-requisite: HNR 102 *or HNR 200; Permission of instructor and program director.*
Taught: Variable, check with department
Emphasizes measurably broader, deeper, or more complex learning that enhances a non-honors course or co-curricular activity in the current semester or extends work from a prior semester. Students and supervising instructor must sign a contract to be approved by the Honors College for permission to enroll.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

HNR 301 Humanity and Nature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Readings and discussion on significant issues and ideas in the interaction of humanity and nature.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 302 Humanity and Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Readings and discussion on significant issues and ideas in the

interaction of humanity and society.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 303 Humanity and the Imagination (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Readings and discussion on significant issues and ideas in the interaction of humanity and the imagination.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 304 Humanity and Technology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Readings and discussion on significant issues and ideas in the interaction of humanity, perceptions of physical reality, and scientific advances.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 306 Studies in Diversity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Analysis of society and its multicultural representations in selected areas of study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 307 Studies in Film and Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Studies in selected topics in film and media and its relationship to social issues and other arts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 308 The World in Transition (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Analysis of contemporary trends in cyberspace, business and other social arenas.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 309 World Cities/World Cultures (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Exploration and appreciation of selected world-class cities and a variety of cultures; cities and cultures vary from semester to semester; taught in English; may be cross-listed with a foreign-language course.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 310 Community & the Natural World - NS/QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 210.
Taught: Fall and spring
Students will work in teams to apply their scientific, technological and mathematical knowledge to an experiential learning project. Written or oral communication incorporated throughout the semester.

Note: this course counts toward both NS and QR general education categories.
Repeatable: No
♦

HNR 311 Global Citizen in the Natural World - NS/QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Students will learn about the privileges and responsibilities individuals have as contributing members of a global community. These include understanding one's role as an ethical scientist, cultivating empathy for those who differ from our own, and foster awareness of one's broader impact on other people and the environment.

Note: this course counts toward both NS and QR general education categories.
Repeatable: No
♦

HNR 320 Community and Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Students explore the ways in which course content can come to life through local community engagement. Students will deepen their understanding of an existing societal problem and engage in experiential learning in local, regional, or national community contexts to generate and articulate a solution.
Repeatable: No
♦

HNR 321 Global Citizen in Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Students will learn responsibilities as contributing members of a global community including understanding the contexts surrounding societal issue, one's role as an ethical actor, cultivating empathy for those whose backgrounds or ideas differ from our own, and fostering critical awareness of one's broader impact.
Repeatable: No
♦

HNR 330 Community and Humanity - AH/SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Students learn the ways in which ideas that we explore in the classroom can come to life through community engagement. Explores ideas in the humanities and arts, and applies those ideas to experiential learning in local, regional and/or national communities.

Note: this course counts toward both AH and SB general education categories.
Repeatable: No
♦

HNR 331 Global Citizen and Humanity - AH/SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HNR 102 or HNR 200
Taught: Fall and spring
Students learn the privileges and responsibilities individuals have as contributing members of a global community. Exposes students to global viewpoints to foster critical awareness of one's broader impact not only on other people but also on culture, society, and the environment.

Note: this course counts toward both AH and SB general education categories.
Repeatable: No
♦

HNR 340 Junior Honors Enhancement (0-1 credits)
Hours: (0-1 classroom + 0 lab/studio)
Prerequisite OR Co-requisite: HNR 102 or HNR 200; Permission of instructor and program director.
Taught: Variable, check with department
Emphasizes measurably broader, deeper, or more complex learning that enhances a non-honors course or co-curricular activity in the current semester or extends work from a prior semester. Students and supervising instructor must sign a contract to be approved by the Honors College for permission to enroll.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

HNR 392 Directed Research: Honors (1-3 credits)
Hours: 1-3 Classroom + 0 Lab Studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Variable, check with department.
Individually supervised interdisciplinary scholarly activity (research, service, or creativity) in an area of faculty expertise; readings, design, analyses, product creation, or presentation of findings. Specific activities assigned by instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HNR 394 Honors Special Topics (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Readings and discussion on significant issues not covered in other honors seminars.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 395 Honors Study Abroad (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Spring only
This course will include a study abroad component. Classroom readings, discussions and other activities will prepare students to actively engage with the topics during the travel portion. Final projects will be due upon completion of the study abroad portion of the course.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HNR 396 Honors Internship (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Honors Status or permission of program director.
Taught: Fall and spring
Selected opportunities for students to serve as teaching assistants, research assistants or as assistants in designated business or community groups.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 440 Senior Honors Enhancement (0-1 credits)
Hours: (0-1 classroom + 0 lab/studio)
Prerequisite OR Co-requisite: HNR 102 or HNR 200; Permission of instructor and program director.
Taught: Variable, check with department
Emphasizes measurably broader, deeper, or more complex learning that enhances a non-honors course or co-curricular activity in the current semester or extends work from a prior semester. Students and supervising instructor must sign a contract to be approved by the Honors College for permission to enroll.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

HNR 490 Honors Capstone Completion (0 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall and spring
Records successful completion of capstone requirements including required training, paperwork, documentation, and public presentation. Emphasizes academic honesty, copyright law, Institutional Review Board requirements, and ethical and appropriate research methods. Required for honors students in their final thesis, capstone, or honors in major semester.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

HNR 491 Honors Capstone / Thesis I (0-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Honors status.
Taught: Fall and spring
Independent research; oral and written expression. Repeatable for up to 6 hours.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 492 Directed Research: Honors (1-3 credits)
Hours: (0 classroom + 0 lab/studio)
Prerequisite(s): Permission of instructor and permission of program director.
Taught: Variable, check with department
Interdisciplinary activity connected to scholarly or applied research, creative activity, or community engagement in an area of faculty expertise that involves readings, design, analyses, product creation, and/or presentation. Specific activities assigned by instructor. Meets requirements for Honors College Sponsored Project Capstone.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HNR 497 Honors Capstone/Thesis II (1-3 credits)
Hours: 1-3 Classroom + 0 Lab Studio
Prerequisite(s): HNR 491
Co-requisite(s): HNR 490
Taught: Variable, check with department.
A continuation of the independent mentored scholarly activity begun in HNR 491 in fulfilment of the Honors Capstone/Thesis requirement. The second semester includes completing research and analysis, creating a final product, and providing a public presentation of the project.
Repeatable: Yes
If Repeatable, Max. Credits: 6

HUMAN RESOURCE MANAGEMENT

HRM 300 Introduction to Labor-Management Relations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
Development, structure, and process of American labor relations; evolution and origins of labor unions, internal and external responses to their environment, major legislative and judicial decisions affecting labor management relations, and the collective bargaining process; current and anticipated developments.
Repeatable: No

♦

HRM 301 Training and Employee Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Spring only
This course will provide students the opportunity to develop essential knowledge and skills involved in the effective training and development of employees. This course will address the roles of organizational trainers and managers in employee training and development.
Repeatable: No

♦

HRM 302 Recruiting and Selecting Human Resources (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Spring only
Provides students in-depth knowledge of the human resources planning, recruitment, and selection activities performed in organizations. Exposure to the variety of recruiting sources and hiring techniques managers use to staff the organization will be stressed. The focus will be on developing within the student the ability to design recruitment and selection programs that support the organization's short-and long-term strategies.
Repeatable: No

♦

HRM 303 Employment Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Fall only
Legal and administrative framework for labor management relations; role of the courts; the NLRB and other administrative agencies, decisions, and procedures.
Repeatable: No

♦

HRM 304 Compensation and Benefits (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Fall only
Economic impact of wages and benefits on the labor management process; estimating the cost of the labor contract, benefits law, and effects of wages and benefits on the economy.

Repeatable: No

♦

HRM 392 Research Experience in Human Resources (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in human resource management by participating in special project or original research directed by a member of the Human Resource Management faculty. Course intended for Human Resource Management majors. May not be used as a HRM elective.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HRM 394 Topics: Human Resource Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Variable, check with department
Specialized topics of student and business community interest. Topics for current offering listed in on-line Schedule of Classes. May be repeated once for elective credit when topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

HRM 396 Human Resource Management Internship (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): MGT 340.
Taught: Fall and spring
Application of theoretical knowledge in solving business problems through consulting and counseling with business owners; group work in case analysis and problem solving.
Repeatable: yes
If Repeatable, Max. Credits: 3

♦

HRM 480 Strategic Human Resources (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 340, one HRM class from the following: HRM 301, HRM 302, HRM 303, HRM 304, and senior standing and must be certified as a Human Resource Management major.
Taught: Spring only
This course will provide students the opportunity to learn essential knowledge and skills involved in making the Human Resources function a strategic partner in organization. Emphasis will be placed on aligning HRM activities with organizations' values and mission and using HRM activities to build the organizational capability and competitive advantage.
Repeatable: No

♦

HUMAN SERVICES/MENTAL HEALTH

HHS 100 Orientation to College of Health & Human Services 1 credit hours
Hours: 1 classroom + 0 lab/studio
Taught: Variable, check with department
Emphasis on transitioning to NKU and CHHS through activities related to academic, social, and personal development. Discover university resources and build community to gain understanding of the learning process. Students will examine growth mindset and skills for college and lifelong learning. Roles of various healthcare practitioners will be examined.
Repeatable: No

HSR 100 Society and Human Services - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, summer
The field of human services; observing human service delivery agencies in operation; activities of workers in meeting client needs; values and attitudes of human service workers; roles and responsibilities of human service workers; concept of the generalist, concepts of human behavior and needs, strategies and programs for meeting human needs.
Repeatable: No
General Education Credit: Individual & Society (Self & Society)

HSR 101 Survey of the Helping Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
This course will introduce students to the helping professions, exploring roles, typology and functions of various individuals involved human service delivery. This course will explore historical development and trends within the mental health discipline, including ethics, standards, credentialing, public policy, and professional organizations.
Repeatable: No

HSR 105 Helping Skills and Techniques for Human Service Professionals (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Skills involved in initiating and conducting an effective counseling relationship; models and theories of helping; establishing the counseling relationship; developing counseling responses; identifying counseling goals; implementing strategies to bring about improvement. Formerly HSR 225.
Repeatable: No

HSR 110 Addiction and Society (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
This course will prepare students to understand the impact substance use disorders and addiction have on individuals, youth, and families. Students will gain knowledge in addiction and substance use disorders in order to effectively develop and implement prevention strategies within the human services profession, or other related fields. .
Repeatable: No

HSR 205 Case Mgmt. Skills-Human Svc Professional (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Principles and practices of case management; historical and theoretical models. Provides the beginning human services worker with practical information about brokering and consumer advocacy development, group dynamics, leadership skills/strategies, interventions and ethical considerations.
Repeatable: No

HSR 294 Special Topics in Human Services (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
A special topics course covering areas of relevance within Human Services and Addictions. Topics vary.
Repeatable: No
♦

HSR 300 Ethics & Issues in Human Svc Profession (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Important current social, ethical, and legal issues and trends in mental health/human services; presentations by speakers having particular expertise in various issues.
Repeatable: No
♦

HSR 303 Multicultural Issues in Human Services (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
This course prepares students to work with diverse groups of people locally and globally defined by gender, ethnicity, race, national origin, sexual orientation, income, age, religion, and other culturally relevant categories. Emphasis will be placed on defining and developing skills for culturally competent human service professionals and the helping process.
Repeatable: No

HSR 304 Field Experience and Seminar (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 100 and HSR 105.
Taught: Fall and spring
Supervised field experience in an agency servicing clients in human services or addictions. Students will spend approximately fifteen (15) hours per week for a semester total of 180 hours. Students will meet on campus every other week for a group seminar.
Repeatable: No
♦

HSR 305 Principles of Assessment in Human Svcs (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and sophomore standing.
Taught: Fall and spring
Use and interpretation of standard assessment instruments and procedures in human services.
Repeatable: No
♦

HSR 312 Crisis Intervention (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Practice oriented approach to understanding and working with individuals and families experiencing immediate crisis; dynamics of the crisis experience; recognizing the crisis situation; interviewing clients in crisis; developing and implementing coping strategies; utilizing resource and support systems; and referral.
Repeatable: No

HSR 314 Death, Dying, and Grief (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours in behavioral and/or social sciences.
Taught: Fall and spring
Major topics from an interdisciplinary perspective; attitudes and practices; experience of dying and grieving; medical, legal, and ethical issues; children and death; suicide, violence, and mass death; funeral practices; caring for the dying and the survivors; speculation about an afterlife.
Repeatable: No
♦

HSR 326 Behavior Problems of Children (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall only
Children's most common behavioral difficulties and their treatment; major etiological and diagnostic factors presented in a developmental context.
Repeatable: No
♦

HSR 330 Introduction to Disability Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore Standing or higher.
Taught: Variable, check with department
This course provides an introduction to disability studies, including the history of the disability movement, as well as an overview of recognized categories and different social constructs related to disabilities. This course is designed to help students respond to the needs of individuals with disabilities in personal and professional contexts.
Repeatable: No
♦

HSR 340 Intro to Substance Use in Human Services (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or department permission.
Taught: Fall and spring
Introduction to the spectrum of substance use and substance use disorders with an overview of historical and contemporary models of addiction, and impact of substance use on individuals and families.
Repeatable: No
♦

HSR 400 At-Risk Populations in Human Services (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior Standing or department permission.

Taught: Fall and spring
This course provides a review and discussion of at-risk populations that may be impacted or influenced by human services professionals. Content includes appropriate interventions and accessing relevant services.
Repeatable: No
♦

HSR 404 Advanced Field Experience and Seminar (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 304.
Taught: Fall and spring
Advanced supervised field experience in an agency servicing clients in human services or addictions. Students will spend approximately fifteen (15) hours per week for a semester total of 180 hours. Students will meet on campus every other week for a group seminar.
Repeatable: No
♦

HSR 412 Leadership Skills for Small Groups (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 105.
Taught: Fall and spring
Theory and application of leadership skills in small group situations in organizational and mental health settings.
Repeatable: No
♦

HSR 416 Theories/Skills for Helping Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Fall and spring
Advanced principles and application of counseling strategies utilized to help individuals improve their mental health functioning. Course assumes student has acquired understanding and skills of basic counseling.
Repeatable: No
♦

HSR 420 Process Addictions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 340 or consent of instructor.
Taught: Fall and spring
This course will explore non-substance addictions, referred to as process addictions, including knowledge and skills required to provide evidence-based services to those struggling with process addictions and their families.
Repeatable: No
♦

HSR 428 Family Systems (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or Graduate standing.
Taught: Variable, check with department
Integrates and promotes a systems perspective of families, sources of familial distress, and practical interventions for families in crisis. Reviews historical and contemporary theories related to family structure and functions, family dynamics, family relationships, and adaptations in family structure, roles and interaction patterns during times of transition.
Repeatable: No
♦

HSR 430 Human Services Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Fall and spring
Skills and knowledge involved in effective development and administration of small mental health/human services programs or agencies: organizing, setting goals, and estimating needs, recruiting, selecting, orienting, supervising, and evaluating employees; securing and managing financial resources; evaluating program and majoring in mental health/human services.
Repeatable: No
♦

HSR 431 Fundamentals of Nonprofit Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 430 or Consent of instructor.
Taught: Spring and summer
Repeatable: No
♦

HSR 450 Diagnosis & Treatment: Sub Use Disorders (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 340 or department permission.
Taught: Fall and spring
Survey of assessment practices and tools for screening and diagnosis of substance use disorders; overview of treatment models with an emphasis on evidence-based and medical-assisted treatment and strategies for effective treatment planning.
Repeatable: No
♦

HSR 494 Selected Topics: Human Svcs & Addictions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or higher.
Taught: Variable, check with department
In-depth study of contemporary topics in human services and/or addictions. Topic listed in Schedule of Classes; May be repeated for credit when topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

HSR 496 Human Services Apprenticeship (0-3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HSR 304 and *HSR 404* , or admit with program director permission
Taught: Variable, check with department
Apprenticeship in a clinical setting providing hands-on training for students in the activities and clinical skills of various agency workers in preparation for paraprofessional employment in human services, with a special focus on youth and families impacted by Substance Use Disorder.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

HSR 499 Independent Study (1-4 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing and consent of instructor.
Taught: Variable, check with department
Directed readings, independent research, or other areas of specific or individual academic interest. Not intended to substitute for any course offered on a regular basis. Written agreement between faculty member and student must be submitted to department chair within first two weeks of semester; elements of agreement to include purpose, objective, instructional activities, time frame, and evaluation procedure.
Repeatable: No
♦

HSR 500 Multicultural Family Work (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Summer only
Best practices of in service delivery to families of young children at risk; importance of parent worker partnerships and shared decision making in assessment, communication/intervention, and evaluation; participation in collaborative supervised assessment of one family; family centered services plan.
Repeatable: No
♦

HSR 522 The Mindful Helping Professional (1-4 variable credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Fall and spring
This course for helping professionals introduces themes and practices in Mindfulness. Self-paced modules help students explore and incorporate mindfulness characteristics in oneself and others.
Repeatable: No
♦

HSR 523 The Mindful Leader (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): Junior or graduate standing
Taught: Fall and spring
This online course for current and future leaders introduces themes and practices in mindfulness. Self-paced modules help learners explore and incorporate mindfulness characteristics in oneself, others, and in leadership.
Repeatable: No
♦

HSR 547 Children and Families in Health Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Taught: Spring only
This course introduces the theory and practice of Child Life, demonstrating how child life specialists provide emotional care and meet the developmental needs of pediatric patients and their families.
Repeatable: No
♦

HSR 548 Therapeutic Play (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or department permission.
Taught: Fall

Students will examine play through a developmental lens in order to build skills that enrich play from infancy to young adulthood. Particular attention will be given to factors such as family culture, illness, loss and setting that inform a practitioner's selection of play method.
Repeatable: No

HSR 574 Grief and Loss Across the Lifespan (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or higher
Taught: Variable, check with department
This course will explore the nature of grief experiences that occur throughout the human lifespan including emotional, physiological, and behavioral impacts of loss. This course is designed to provide students with greater awareness, theoretical knowledge, and basic skills for conceptualizing the needs of individuals adapting to bereavement and non-bereavement losses.
Repeatable: No
♦

HSR 594 Selected Topics in Human Services (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or consent of instructor. Other pre-requisites may apply, vary with topic.
Taught: Variable, check with department
In-depth study of contemporary topics in human services. Topic listed in Schedule of Classes; May be repeated for credit when topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

INFORMATICS

INF 100 Orientation to College of Informatics (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Freshman standing or department approval.
Taught: Fall
Assist first-year students transitioning to NKU and the COI through activities related to academic, social and personal development. Discover university resources and build community to develop a better understanding of the learning process and acquire essential success skills. Students will examine growth mindset and skills for college and lifelong learning.
Repeatable: No

INF 110 Introduction to Application Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Strategies, techniques, and tools for professional programming in a

business environment; problem definition, software design, program design, and system implementation; development of systems of programs to implement common business applications.
Repeatable: No

INF 120 Elementary Programming - NS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 102 or MAT 114 or placement. Not open to students who have passed CSC 260 or CSC 270 or CSC 360 .
Taught: Fall and spring
An elementary introduction to programming for those with no previous programming experience. Emphasis on understanding how to read and write basic procedural programs, and on understanding the concepts of algorithm and execution.
Repeatable: No
General Education Credit: Natural Science

♦

INF 128 Principles of Informatics - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Multi-disciplinary exploration of the nature of information; how it is represented, processed, shared, preserved, and protected. Topics drawn from the fields of computing, communication, business, the natural and social sciences, and the humanities. Identifies enduring principles; examines impacts on individuals and society; provides practice with a variety of digital technologies.
Repeatable: No
General Education Credit: Individual and Society

INF 194 Topics: Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in Informatics.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

INF 201 Foundations of Informatics Professionals (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall and spring
This course will ready students to search and plan for an experiential education position during their academic career at NKU. Work and career readiness skills are emphasized through an applied environment allowing students to practice the business acumen needed in conducting a successful job search.
Repeatable: No

INF 282 Introduction to Databases (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MAT 102 (or higher) or placement.
Taught: Fall, spring, and summer
Core concepts for the design, creation, and manipulation of relational databases. Analysis of data requirements, conceptual modeling, definition of the relational model, relational database design and normalization, and database implementation; manipulation of relational databases using relational algebra with SQL.
Repeatable: No

♦

INF 284 Introduction to Computer Networks (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 103 (or higher) and one of INF 110, INF 120 or CIT 130.
Taught: Fall and spring
Introduction to computer networking principles, focusing on network applications such sa HTTP, Email, DNS, SSH and DHCP. Various protocols in the TCP/IP stack and emerging networking technologies are covered. Lab exercises reinforce concepts.
Repeatable: No

♦

INF 286 Introduction to Web Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 103 (or higher)
Prerequisite OR Co-requisite: C- or better in INF 110 or INF 120 or CSC 260.
Taught: Fall and spring
An introduction to web design and development for majors in the informatics fields. Web page creation with use of HTML, CSS and JavaScript. Website development best practices. Website development process.
Repeatable: No

♦

INF 294 Topics: Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes.
Taught: Variable, check with department
Various topics in Informatics.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

INF 299 Introductory Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Topic to vary based on faculty and student agreement, but will cover material appropriate for an introductory topic in informatics.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INF 394 Intermediate Topics: Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in Informatics.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INF 396 Informatics Practicum (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of any informatics department.
Taught: Variable, check with department
Experiential learning work experience relating to student field of study in the College of Informatics. Academic credits are awarded based on defined student learning objectives and coinciding work experience on a variable scale.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

INF 399 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Topic to vary based on faculty and student agreement, but will cover material appropriate for an introductory topic in informatics.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INF 494 Advanced Topics: Informatics (1-3 credits)
Hours: 1-3 Classroom + 0 lab/studio
Prerequisite(s): Varies with topic.
Taught: Variable, check with department
Special topics course in Informatics directed by an Informatics faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INF 499 Advanced Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Topic to vary based on faculty and student agreement, but will cover material appropriate for an introductory topic in informatics.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INF 594 Graduate Topics: Informatics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Graduate standing, other prerequisites vary with topics.
Taught: Variable, check with department
Special topics course in Informatics directed by an Informatics faculty member. International Programs Courses (INTL)
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INTEGRATED SCIENCES

SCI 100 STEM Freshman Seminar (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
Introduction to college for current and potential STEM majors with a focus on developing self-reliance and familiarization with university resources.
Repeatable: No

SCI 101 Introduction to STEM Careers (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Spring only
Introduction to degrees and careers in science, technology, engineering, and mathematics (STEM), engaging students in discovery and discussion about the nature of the disciplines, distinctions and connections between them, and opportunities within them.
Repeatable: No

SCI 110 Integrative Science - SL (4 credits)
Hours: 2 classroom + 3 lab/studio
Prerequisite(s): MAHD 095/MAT 101 or higher or placement or equivalent college-level math/stat course.
Prerequisite OR Co-requisite: ENG 101 (or ENG 101W or ENG 101R) or higher.
Taught: Fall and spring
Introduction to science, engineering and mathematical concepts through laboratory experiments and application of algebraic functions in problem solving through the perspective of a critical thinker. Hands-on activities, the scientific process and mathematical modeling of physical systems in an inquiry-based, active-learning environment will lead to students' discovery of scientific concepts.
Repeatable: No
General Education Credit: Natural Science

♦

SCI 394 Topics: Integrative Science (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable-chck w/dept
Special topics course intended as an interdisciplinary course across multiple STEM disciplines. May be repeated for up to 6 hours when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

INTEGRATIVE STUDIES

IST 185 Introduction to Integrative Studies - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
An orientation to interdisciplinary thinking, this course is designed to encourage students to become self-aware holistic consumers of knowledge and to see the interdependent aspects of all academic disciplines. Students will be guided through an exploration of what

the academe has to offer and encouraged to consider how those opportunities match with their personalities, interests, and ambitions.
Repeatable: No
General Education Credit: Individual and Society

IST 394 Topics in Integrative Studies (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or higher.
Taught: Variable, check with department
Interdisciplinary study of a specific topic or issue. May be repeated for credit when subjects differ.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

IST 397 Interdisciplinary Inquiry (3 credits)
Hours: 3 Classroom + 0 Lab/Studio
Prerequisite(s): Sophomore standing or higher.
Taught: Fall and Spring
In this course we develop skills for research and literacy across disciplinary fields and apply strategies for creating an informed research proposal.
Repeatable: No
♦

IST 492 Directed Research (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or higher.
Taught: Variable, check with department.
Interdisciplinary research under supervision of faculty member.
Repeatable: Yes

IST 494 Seminar: Advanced Topics in Integrative Studies (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher.
Interdisciplinary study of a specific topic or issue. May be repeated for credit when subjects differ.
Repeatable: Yes
If Repeatable, Max. Credits: 9

IST 496 Internship in Integrative Studies (3-15 credits)
Hours: 3-15 classroom + 0 lab/studio
Prerequisite(s): Consent of intern director.
Taught: Variable, check with department
The integrative studies internships are a cooperative effort between the Integrative Studies program at Northern Kentucky University and public, private, and non-profit agencies. The purpose of the internship is to give students the opportunity to apply their education to actual work situations. The student works under the supervision of the public, private, or non-profit professional.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

IST 497 Capstone in Integrative Studies (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: IST 397
Taught: Fall and Spring
The capstone course for undergraduate majors in Integrative Studies. A final project and portfolio serve as the culmination of the Integrative Studies program.
Repeatable: No
Available High Impact Practices: research/creativity
♦

IST 499 Independent Study: Directed Readings (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individualized study of a selected topic under the supervision of a faculty member. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

IST 585 Introduction to Graduate Interdisciplinary Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission into the Master of Art in Integrative Studies program or permission of instructor.
Taught: Fall only
This course provides a comprehensive introduction to graduate studies in liberal arts, multi- and inter-disciplinary research and developing integrative insights. It prepares students for defining their research interests, planning their individualized curriculum and initiating active learning strategies. It also provides opportunity to develop one's writing skills, to gain knowledge of professional writing styles, and practice integrative writing.
Repeatable: No
♦

INTERNATIONAL ORIENTATION

UNVI 101 International Orientation (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department consent.
Taught: Fall and spring
Emphasis on transition into college and development of college survival skills, development of student self-reliance as an active participant in classroom activities, familiarization with available university resources and establishment of learning communities within the University.
Repeatable: No
♦

INTERNATIONAL PROGRAMS COURSES

INTL 300 International Service Learning Experience (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, consent of instructor, and student must apply to the Office of International programs.

Taught: Variable, check with department
Volunteer community service work outside the United States as part of an NKU team. Includes preparatory seminars and follow-up meetings. Graded Pass/Fail.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ITALIAN

ITA 101 Elementary Italian I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Fundamentals; introduction to Italian culture; development of skills in conversation, pronunciation, grammar, reading, and writing.
Repeatable: No
General Education Credit: Culture and Creativity

ITA 102 Elementary Italian II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ITA 101 or equivalent.
Taught: Spring only
Continuation of ITA 101, additional grammar study, pronunciation drill, and new vocabulary; further practice in speaking and reading.
Repeatable: No
♦

ITA 201 Intermediate Italian I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ITA 102 or equivalent.
Taught: Fall only
Review and extension of basic language skills acquired in ITA 101 and ITA 102; reading and discussion of cultural and literary subjects.
Repeatable: No
♦

ITA 202 Intermediate Italian II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ITA 201 or equivalent.
Taught: Spring only
Continuation of grammar review and enhancement of language skills begun in ITA 201; reading and discussion of cultural and literary subjects.
Repeatable: No
♦

ITA 299 Independent Study: Italian (3 credit hours)
Hours: 0 classroom / 0 lab+studio hours
Prerequisite(s): Consent of Instructor
Taught: Variable, check with department
Intermediate practice in Italian language
Repeatable: Yes
If Repeatable, Max. Credits: 6 hours

JAPANESE

JPN 101 Elementary Japanese I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamentals; introduction to Japanese culture; basic skills in pronunciation, conversation, vocabulary, grammar, kana syllabary writing system.
Repeatable: No
General Education Credit: Culture and Creativity

JPN 102 Elementary Japanese II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 101 or equivalent.
Taught: Fall and spring
Continuation of JPN 101. Further command of grammar and expansion of vocabulary in conversational Japanese; introduction of additional Chinese characters for reading comprehension and writing.
Repeatable: No
♦

JPN 201 Intermediate Japanese I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 102 or equivalent.
Taught: Fall only
Review of pronunciation, vocabulary, grammar and syllabary writing system introduced in JPN 101-JPN 102; introduction of advanced structural patterns and cultural influences of the language.
Repeatable: No
♦

JPN 202 Intermediate Japanese II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 201 or equivalent.
Taught: Spring only
Continuation of JPN 201; additional practice in language structural patterns and cultural influences.
Repeatable: No
♦

JPN 294 Topics in Japanese for the Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 102 *or consent of instructor*
Taught: Variable, check with department
Provides linguistic and cultural competence to prepare students to work within a cross-cultural environment here or abroad. Course content may include topics about health, legal, culinary arts, fashion, engineeering, tourism, or trade professions. Taught in Japanese.
Repeatable: No
♦

JPN 304 Japanese Composition and Conversation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 202 or equivalent.
Taught: Variable, check with department
Advanced practice in writing Japanese compositions and oral conversation skills.

Repeatable: No

♦

JPN 307 Introduction to Japanese Translation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 202 or consent of instructor.
Taught: Variable, check with department
Introductory translation course providing an overview of the considerations that the translator must take into account when approaching a text. Attention is paid to the structural differences between Japanese and English, cross-cultural differences in stylistics, writing with clarity and reference work. Students will have hands-on experience.
Repeatable: No

♦

JPN 311 Japanese Cultural History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 202 or equivalent.
Taught: Variable, check with department
Eras, institutions, and issues in the history of Japan; readings primarily in Japanese.
Repeatable: No

♦

JPN 320 Survey of Japanese Literature (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): JPN 202 *or equivalent.*
Taught: Variable, check with department.
Overview of major authors and movements from the pre-modern era to the present.
Repeatable: No

JPN 322 Japanese Drama (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): JPN 202 *or equivalent.*
Taught: Variable, check with department.
Study of major authors and texts in the history of Japanese theater, including representative pre-modern playwrights.
Repeatable: Yes
If Repeatable, Max. Credits: 9 credits

JPN 323 Japanese Fiction (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): JPN 202 *or equivalent.*
Taught: Variable, check with department.
Focus on novel, novella, or short story. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9 credits

JPN 325 Japanese Myth and Folklore (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 202 or equivalent.
Taught: Variable, check with department
Study of Japanese folklore, myths and traditions and their relationship to contemporary Japanese society.
Repeatable: No

♦

JPN 330 Studies in Japanese Language Cinema (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): JPN 202 *or equivalent.*
Taught: Variable, check with department.
Survey of films produced in the Japanese language. Emphasizes both the aesthetic aspects of the films as well as their historical, political, social and cultural content. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9 credits

JPN 340 Business Japanese (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 202 or equivalent.
Taught: Variable, check with department
Study of language for broad commercial purposes; cultural awareness in both social and professional situations; historic and contemporary views of government, labor, media, and industrial organization in Japan; business communication; Japanese-American relations.
Repeatable: No

♦

JPN 401 Japanese Phonetics and Pronunciation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Japanese at the 300 level or above.
Taught: Variable, check with department
Study of Japanese sound system, how sounds are produced, which ones are used in Japanese, and in what contexts they occur.
Repeatable: No

♦

JPN 402 Advanced Japanese Grammar and Syntax (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Japanese at the 300 level or above.
Taught: Variable, check with department
Study of Japanese grammar through analysis of key linguistic structures and applied practice. Analysis of word formation, sentence structure, and semantics.
Repeatable: No

♦

JPN 480 Studies in Japanese Culture (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): 6 hours of Japanese at 300 level or above.
Taught: Variable, check with department.
Topics in culture and language of Japan. May be repeated for credit as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12 credits

JPN 481 Studies in Japanese Literature (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): 6 semester hours of Japanese at the 300 level or above or consent of instructor.
Taught: Variable, check with department.
Topics in literature, literary history, and literary theory. May be

repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12 credits

JPN 499 Independent Study: Japanese (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Readings in language, literature and culture.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

JPN 520 Readings in Japanese (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JPN 380 or equivalent.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit when topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

JOURNALISM

JOU 110 Introduction to Mass Communication - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Examine how mass media operate, how people use and create media messages, and how media evolve and influence behavior.
Repeatable: No
General Education Credit: Individual and Society

JOU 220 News Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in ENG 101 or equivalent.
Taught: Fall and spring
Write news stories that engage various audiences. Practice interviewing and reporting. Develop a sense of news values.
Repeatable: No
♦

JOU 230 News Reporting and Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 220.
Taught: Fall and spring
Research and report original news stories suitable for publication in various media.
Repeatable: No
♦

JOU 305 Science in the Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or permission from instructor.
Taught: Spring Only
This course focuses on analyzing and producing science news content, including information about health, biology, the environment and technology. Students will develop knowledge of the best practices in science reporting, including assessing information for news value, accuracy and impact and translating jargon into content that will engage an audience.
Repeatable: No
♦

JOU 321 Digital Publishing (3 credits)
Hours: 2 classroom + 3 lab/studio
Prerequisite(s): JOU 110 or EMB 100.
Taught: Fall and spring
Design and produce publications using professional tools. Examine principles of typography, graphics and design in communication.
Repeatable: No
♦

JOU 325 Photojournalism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110 or EMB 100.
Taught: Variable, check with department.
Study fundamentals of photography, use of digital cameras, photo editing, and use of photography in a variety of media to tell stories.
Repeatable: No
♦

JOU 331 Specialty Reporting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 220.
Taught: Variable, check with department
Report on beats such as business, education, environment, health, sports, or technology. Topics vary semester to semester.
Repeatable: No
♦

JOU 340 Feature Writing (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): JOU 220 or permission of instructor.
Taught: Variable, check with department
Develop creative nonfiction stories suitable for publication in magazines, online sites, newspapers, newsletters, and trade journals. Course covers every step of the entrepreneurial process, from developing ideas, to researching, reporting, writing, producing and marketing.
Repeatable: No
♦

JOU 346 Copy Editing and Design (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): JOU 220.
Taught: Spring only
Edit text and design pages to achieve clear, concise and compelling content. Improve communication by learning the proper use of grammar, spelling, punctuation and style.
Repeatable: No
♦

JOU 350 Issues in News Media Diversity (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110 , junior standing, or instructor permission.
Taught: Variable, check with department
Through mass communication, gender, race and cultural theories,

this course explores journalism's portrayals of various societal groups.
Repeatable: No

JOU 360 Exploring the Future of News & Media (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing, or instructor permission
Taught: Variable, check with department
This course is to designed to help you make sense of the dramatically shifting landscape of news and media and to provide strategies for navigating that landscape with an entrepreneurial mindset. Students analyze and evaluate innovations in news and develop pitches for new media products and freelance initiatives.
Repeatable: No

JOU 380 News Media Workshop (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 220.
Taught: Fall only
Gain practical experience in everything from exercising judgment and writing for an audience to grappling with legal and ethical dilemmas to planning and executing multimedia stories while reporting on people, events, issues and culture on campus. 3 credits.
Repeatable: No
Available High Impact Practices: research/creativity
♦

JOU 382 Data Journalism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 220
Taught: Variable, check with department.
Introduce and examine data journalism through theoretical discussion, case studies and hands-on practice; learn to gather, analyze and interpret data for news reporting and storytelling; understand and apply basic measurement techniques and research concepts.
Repeatable: No
♦

JOU 392 Directed Research (0-6 credits)
Hours: 0 classroom + 0-6 lab/studio
Prerequisite(s): Junior Standing or Instructor Permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

JOU 394 Special Topics in Journalism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110
Taught: Variable, check with department
Examine significant topics in journalism and mass media. Topics vary semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

JOU 396 Internship (3 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): JOU 380; written consent of supervising faculty member; junior or senior standing; and a GPA of at least 2.75.
Taught: Fall, spring, and summer
Work at newspapers, online sites, public relations or advertising agencies, or other employers of communication professionals, in addition to some class meetings.
Repeatable: No
Available High Impact Practices: internship
♦

JOU 421 Mass Communication History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110 or junior standing.
Taught: Variable
Explore social, political, economic and technological factors that have affected the evolution of U.S. media.
Repeatable: No
♦

JOU 440 Current Topics in Media Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110, EMB 100 or junior standing.
Taught: Fall and spring
Examine issues facing media practitioners on different platforms. Develop ethical reasoning and an understanding of media's impact on society through analysis and application of standards and practices in media related professions.
Repeatable: No
♦

JOU 450 Media Skills (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 220 or permission of instructor.
Taught: Fall
Introduction to multimedia journalism; use and study of contemporary tools for information gathering, reporting and interacting with audiences.
Repeatable: No
♦

JOU 480 Advanced News Media Workshop (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 380.
Taught: Spring only
Expand understanding of journalistic concepts and skills learned in JOU 380 by producing more complex and diverse news content for media outlets on deadline. Explore advanced journalism techniques such as investigative reporting and experimentation with emerging media.
Repeatable: No
Available High Impact Practices: research/creativity
♦

JOU 485 Mass Communication Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110 or junior standing.
Taught: Fall and spring
Explore First Amendment law and policy related to mass communication. Topics include libel, privacy, intellectual property, confidential sources, the courts, indecency, entertainment and social media, and access to information.
Repeatable: No

♦

JOU 495 Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

JOU 499 Independent Study: Journalism (1-3 credits)
Hours: 0 classroom + 4 -12 lab/studio
Prerequisite(s): junior standing; a GPA of at least 2.50 or consent of instructor; approved independent study proposal.
Taught: Variable, check with department
Individually supervised work involving reading, research, and/or production in a specified area of interest. Topic selected before registration in conference with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

KINESIOLOGY

KIN 125 Introduction to Physical Education, Fitness, and Sport (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Overview of the profession; historical, philosophical, sociological, and scientific perspectives; examination of career opportunities.
Repeatable: No

KIN 200 Concepts of Lifetime Fitness (2 credits)
Hours: 2 classroom + 0 lab/studio
Taught: Fall and Spring
Health related problems associated with a modern sedentary society; benefits of regular exercise; individual psychomotor and physiological developmental patterns.
Repeatable: No

KIN 205 Introduction to Personal Training (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): KIN 200, BIO 208.
Taught: Variable, check with department
This course is designed to provide theoretical knowledge and practical skills in preparation for a national certification exam in personal training. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.
Repeatable: No

♦

KIN 260 Introduction to Strength and Conditioning (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
This course is designed to provide theoretical knowledge and practical skills in exercise physiology, strength training and aerobic conditioning. Topics include guidelines for instructing safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.
Repeatable: No

KIN 280 Basic Recognition and Care of Athletic Injuries (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
An introduction to athletic training/sports medicine concepts. Course content will include basic skills for prevention, assessment, and care of injuries associated with physical activity.
Repeatable: No

KIN 295 Anatomical Kinesiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 260.
Taught: Spring only
This course is a directed study of human anatomy with its adaptations to biomechanical principles. In-depth study of the skeletal and articulation system and the muscular and nervous systems along with other key anatomical structures and functions.
Repeatable: No

♦

KIN 313 Computer Applications for Health and Kinesiology (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): KIN 260

Taught: Fall only
The study and applications of technology and software that are used in the health/ wellness promotion, fitness, physical education, and exercise science professions.
Repeatable: No

KIN 325 Motor Development, Learning, and Control (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): KIN 125
Co-requisite(s): KIN 325L
Taught: Fall and Spring
Examines motor behavior as an age-related process of growth, development, learning and performance from birth through maturity; Physiological, psychological, and neuro-motor factors influencing the acquisition, development and performance of motor skills; Impact of practice, experience, information processing, sensory inputs, attention, interferences, and

mechanisms of muscular coordination related to motor performance.
Repeatable: No

KIN 325L Motor Development, Learning, and Control (1 credit)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): KIN 125
Co-requisite(s): KIN 325
Taught: Fall and Spring
Application of assessment and intervention strategies to improve motor development, control, learning and performance throughout the lifespan. May include on and off-campus clinical intervention experiences.
Repeatable: No

KIN 340 Exercise Physiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 208 and KIN 260
Co-requisite(s): KIN 340L.
Taught: Fall and spring
Response of the body to muscular activity; structure and function of skeletal muscles; energy sources and oxygen requirements for muscular activity.
Repeatable: No
♦

KIN 340L Exercise Physiology Lab (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): BIO 208.
Co-requisite(s): KIN 340.
Taught: Fall and spring
KIN 340L is designed to provide hands on laboratory experience for KIN 340 lecture. Common laboratory procedures covered in this course are: VO2max, Wingate anaerobic testing, blood lactate testing, blood hematocrit, body composition, ECG, and EMG.
Repeatable: No
♦

KIN 342 Introduction to Health Appraisal and Fitness Assessment (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): KIN 200 and KIN 205.
Taught: Variable, check with department
The purpose of this course is to teach the students the theory and practice for developing skills in assessing health-related physical fitness and provide guidelines for standard step-by-step assessment procedures.
Repeatable: No
♦

KIN 345 Physical Activity and Aging (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 340 or permission of instructor.
Taught: Variable, check with department
The purpose of this course is to examine the physical dimensions of older adults. This will include basic Concepts of the aging adult; energy work and efficiency; motor control, coordination and skill; physical-psychosocial relationships; and, physical performance and achievement.
Repeatable: No
♦

KIN 349 Exercise Prescription (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): KIN 340.
Taught: Fall and Spring
Principles and applications for prescribing exercise and physical activities for a variety of populations to improve health-related physical fitness and/or athletic performance.
Repeatable: No
♦

KIN 350 Psychology of Physical Activity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 200, PSY 100.
Taught: Spring only
This course focuses on the evidence-based literature which describes populations that are and are not physically active; research based theories that explain reasons that people are and are not physically active; successful motivational strategies; and the evaluation and applications of interventions designed to change inactive behavior or to sustain physically active behavior.
Repeatable: No
♦

KIN 360 Statistics and Measurement in Kinesiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 099 or acceptable placement score.
Taught: Fall and spring
Designed to provide knowledge and practical experience in the study of statistical techniques, motor ability tests, motor fitness tests, physical fitness tests, and skill tests applicable to physical education.
Repeatable: No
♦

KIN 365 Exercise Prescription and Programming for Special Populations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 349.
Taught: Variable, check with department
This course examines basic epidemiology, ecology and pathophysiology of common disease states, and provides recommendations for exercise and concerns for diseased and other special populations requiring alterations to exercise prescription for normal populations.
Repeatable: No
♦

KIN 370 Biomechanics (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): BIO 208.
Taught: Fall and spring
Mechanics of human motion with respect to performance in sport activities and movement analysis.
Repeatable: No
♦

KIN 380 Clinical Exercise Physiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 340 and KIN 349
Taught: Spring only
This course is designed to prepare the Exercise Science major to work within a human performance clinical setting. This course will cover the basic epidemiology and pathophysiology of common disease states, recommendations for exercise and concerns for rehabilitation and secondary prevention.
Repeatable: No
♦

KIN 385 Sociological and Psychological Dimensions of Sport and Physical Activity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 125.
Taught: Spring only
Introduction of social psychological theory and principles applied to sports; analysis of sport from a sociological perspective through study of values, norms, and behavior of sport in American society.
Repeatable: No
♦

KIN 450 Organization and Administration of Kinesiology and Athletics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 125 and Junior Standing or permission of instructor.
Taught: Fall and Spring
Theory, policies, and procedures for administering physical education, recreation, and athletic programs in the school and community; program development, budgeting, equipment, facilities, personnel.
Repeatable: No
♦

KIN 481 Nutrition for Sport and Exercise (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 340.
Taught: Fall and spring
This course is designed to provide an overview of basic nutritional concepts for sports and exercise. Topics covered in this class include nutrient requirements for sport performance, exercise and weight management. The use and physiological effects of ergogenic aids will also be covered in this course.
Repeatable: No
♦

KIN 483 Advanced Strength and Conditioning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 260, KIN 340, KIN 370, senior standing or permission from instructor.
Taught: Fall and spring
This course is designed to provide advanced knowledge and application in the field of strength and conditioning. The material presented will prepare the student for the National Strength and Conditioning Association's Certified Strength and Conditioning Specialist (CSCS) certification. Topics to be covered include basic science, advanced exercise prescription, advanced strength and conditioning programming, and will require the student to be proficient in various exercise techniques.
Repeatable: No
♦

KIN 492 Intensive Resarch in Discipline (0-6 credits)
Hours: 0-6 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Student will conduct original investigation of selected field specific topics chosen in consultation with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

KIN 494 Topics: Kinesiology (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various advanced topics in kinesiology.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

KIN 496 Internship in Exercise Science (9 credits)
Hours: 0 classroom + 9 lab/studio
Prerequisite(s): Senior standing, departmental consent, KIN 492, appropriate GPA.
Taught: Fall and spring
One of two possible culminating activities for students completing the BS in exercise science. Students spend the equivalent of full-time employment in an appropriate agency for one full semester (at least 500 hours).
Repeatable: No
♦

KIN 497 Exercise Science Senior Synthesis (3 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Department approval, KIN 360 and KIN 498.
Taught: Variable, check with department
This course is designed to prepare Exercise Science majors for employment in a human performance research setting, and/or entering a graduate program in an exercise science domain. Emphasis will be placed on experience in conducting human performance research, and scientifically communicating the results of the research in the form of a manuscript ready for peer review.
Repeatable: No
♦

KIN 498 Research, Trends, and Issues in Exercise Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KIN 340, KIN 360 and KIN 370 or permission of instructor.
Taught: Fall only
This course will focus on an introduction to the various techniques of research in exercise science. The course will expose the student to the basic concepts of exercise science research via the

production of a research paper and other assigned tasks. Emphasis will be placed on the skills necessary to allow the student to become an improved consumer of research in the field of exercise science.
Repeatable: No

♦

KIN 499 Independent Study in Exercise Science (1-6 credits)
Hours: 1-6 classroom + 0 lab studio
Prerequisite(s): Consent of Department.
Taught: Variable, check with department
Directed readings, independent research, or other areas of specific or individual academic interest. Not intended to substitute for any course offered on a regular basis. Written agreement between faculty and student must be submitted to department chair within first two weeks of semester; elements of agreement to include purpose, objective, instructional activities, time frame, and evaluation procedure.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

KIN 501 Lab Techniques in Exercise Science (1 credit)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): Admission to the MSES program or permission of instructor.
Taught: Variable, check with department
This course must be taken during the student's first semester of enrollment. The laboratory techniques in exercise science online class will provide students with detailed and up-to-date information regarding performance-based technology and laboratory techniques currently used in the field today.
Repeatable: No

♦

KIN 502 Research Methods and Analytics in Ex Sci (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the MSES program or permission of instructor.
Taught: Variable, check with department
This online class will provide students with an in-depth learning experience regarding research design, data evaluation and proper analysis based on research methods, designs, and types of data. Students will learn how to set up and use statistical software for their analyses.
Repeatable: No

♦

KIN 503 Advanced Exercise Physiology (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Admission to the MSES program or permission of instructor.
Taught: Variable, check with department
This course will cover the body's acute and chronic responses to various forms of exercise from biochemical changes within the muscle to long-term adaptations that improve performance. Additionally, these changes will be looked at under extreme conditions such as high temperature and high altitude environments.
Repeatable: No

♦

KOREAN

KOR 101 Elementary Korean I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Fundamentals; introduction to Korean culture; basic skills in pronunciation, conversation, reading, and writing.
Repeatable: No
General Education Credit: Culture and Creativity

KOR 102 Elementary Korean II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): KOR 101 or equivalent.
Taught: Variable, check with department
Continuation of KOR 101 additional practice in pronunciation, conversation, reading and writing.
Repeatable: No

♦

LATIN

LAT 101 Elementary Latin I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Fundamentals; introduction to Latin language and Roman culture; study of literary, legal, and scientific terminology rooted in Latin; development of skills in grammar, pronunciation, reading, writing, and simple conversation in classical Latin.
Repeatable: No

LAT 102 Elementary Latin II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): LAT 101 or equivalent.
Taught: Spring only
Continuation of LAT 101.
Repeatable: No

♦

LAT 201 Intermediate Latin I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): LAT 102 or equivalent.
Taught: Variable, check with department
Review of grammar and vocabulary in LAT 101-LAT 102; introduction of advanced constructions in context of readings and cultural study.
Repeatable: No

♦

LAT 202 Intermediate Latin II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): LAT 201 or equivalent.
Taught: Variable, check with department
Continuation of LAT 201; practice with advanced grammatical constructions and translation of literary selections.
Repeatable: No

♦

LAT 299 Independent Study: Latin (3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Intermediate practice in Latin language.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

LAW

LAW 300 The American Legal System I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Fall only
This course will focus on the common-law system and how it affected the development of tort law and contract law. The course will also cover policy issues related to these areas of law and how public policy has affected the development of these areas of law.
Repeatable: No
♦

LAW 301 The American Legal System II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only
Course focuses on property and procedural law in civil cases. It compares case law (property) with civil procedure. Explores substantive law that governs these areas, and addresses various policy issues that relate to property law and the rules that govern civil lawsuits in the United States.
Repeatable: No
♦

LAW 320 Legal History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only-even years
Explores American legal history from the country's founding through the middle of the twentieth century. The course covers the drafting and ratifying of the U.S. Constitution, the idea of judicial review, state and federal regulatory authority, civil rights and civil liberties, and other topics related to this country's legal history.
Repeatable: No
♦

LAW 324 Environmental Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Fall only-odd years
Examines the approach of legal institutions to environmental issues. Explores the evolution of environmental law and policy related to: clean water, clean air, wetland protection, and climate change, among others.
Repeatable: No
♦

LAW 350 The American Constitution (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only
Focus on tenets and contours of Constitutional Law, including the structure of government and individual rights guaranteed by the Constitution.
Repeatable: No
♦

LAW 394 Special Topics in Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Variable depending on topic.
Taught: Variable, check with department
Topics vary from semester to semester. See Schedule of classes for topic and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 99

♦

LAW 405 Financial Institutions and the Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only-odd years
Focus on banking law. Explores the history and development of the US banking law system, regulators and regulations, non-US banks operating in the United States, and consumer banking, among other topics.
Repeatable: No
♦

LAW 410 Immigration and Refugee Law and Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Fall only-odd years
Explores U.S. immigration and nationality law. Examines the administrative and legal framework regulating the admission and constitutional rights of non-citizens, the roles of federal agencies, and various policies and procedures associated with immigration, naturalization, asylum, employment, and judicial review, among others.
Repeatable: No
♦

LAW 420 Employment Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Fall only-even years
An exploration of federal statutes and state common law doctrines that define the employment relationship. Topics include: legal boundaries of the employment relationship, employment-at-will doctrine, employee privacy, compensation and regulation, among

others.
Repeatable: No

♦

LAW 435 Legal Communication and Persuasion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only
This course will explore legal analysis, statutory interpretation, legal reasoning, writing techniques, legal memorandums, persuasive writing, and legal citation.
Repeatable: No

♦

LAW 480 Sports and the Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing and C- or better in either PSC 100 or PSC 204.
Taught: Spring only-even years
Exploration of laws regulating sports and the agents who represent athletes. The course will cover both collegiate and professional athletics, and it will cover issues faced by athletes, coaches, and sports agents.
Repeatable: No

♦

LEARNING ASSISTANCE PROGRAM

LAP 201 Tutoring in Learning Assistance Center (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
Topics in peer tutoring and mentoring, with an emphasis on the university environment. Topics vary. Designed for students interested in peer tutoring and mentoring at NKU, as well as prospective teachers. Recommended for students who work as tutors in Learning Assistance Programs.
Repeatable: Yes
If Repeatable, Max. Credits: 3

LIBRARY INFORMATICS

LIN 101 Career Paths for Information Professions (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Taught: Variable, check with department.
This 7-week **online only** course introduces students to the diverse career paths available in the area of library and information; the history of the profession; different philosophies of service, ethics, values and attitudes for library and information professionals and strategies for marketing themselves for a career.
Repeatable: No

LIN 175 Information Literacy - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
A foundational course that introduces students to the cross-disciplinary skills needed to assess information needs, and access and evaluate information sources.
Repeatable: No
General Education Credit: Individual and Society

LIN 300 Information in Our Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Students will learn about the impact of culture and other social differences on individual use of information and the theories of learning and information use. Our information society will be examined and how information is created, recorded, mass produced, disseminated, and used by individuals and groups.
Repeatable: No

LIN 301 Introduction to Meta Information System (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing, or approval from instructor.
Taught: Spring only
Students will examine and become familiar with content identification systems used to manage large information databases. Classic as well as innovative systems will be studied.
Repeatable: No

♦

LIN 302 Digital Searching Interfaces (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Students will study all aspects of digital searching interfaces as they relate to information management and user needs. Special emphasis will be placed on library searching techniques.
Repeatable: No

LIN 303 Critical Reading (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
This course will teach the importance of critical reading in assessing information and its sources. Topics such as the authority, motivation and intent of the author will be examined.
Repeatable: No

LIN 305 Government Information (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
An in-depth study of publications produced by the United States Government. Students will learn to search and navigate government websites.
Repeatable: No

LIN 394 Topics (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Special study of one aspect of information use and management. The course topics offered will vary based upon emerging developments in the field or the availability of an authority to offer a specialized educational opportunity to Library Informatics students.
Repeatable: Yes
If Repeatable, Max. Credits: 15

LIN 400 Current Trends in Information Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
Students will engage in an investigation of recent developments and trends within information organizations as well as societal issues affecting information systems and services.
Repeatable: No

LIN 405 Intellectual Property and Information Rights (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or permission from instructor.
Taught: Variable, check with department
Explores intellectual property rights for information-based careers. Patents, trademarks, and copyrights are covered in relation to intellectual property creators and consumers. Although focused primarily through the lens of libraries, museums, and archives, includes intellectual property related exercises and readings for entrepreneurship, electronic media & broadcasting, and fashion & sports business.
Repeatable: No
♦

LIN 410 Library Programs for Children (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing, or permission of instructor.
Taught: Variable, check with department.
This 7-week **online only** course introduces library programming for children. Students learn how to develop early childhood through elementary school-level programs. Content includes principles of childhood development, early literacy skills, and best practices for creating literacy-based programs. Students should expect to spend about **18 hours per week** completing coursework.
Repeatable: No

LIN 414 Advanced Information Literacy Skills (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): LIN 175.
Taught: Fall only
This course examines higher level information literacy skills and their application. Students learn how to access and assess information that is presented in a variety of formats.
Repeatable: No
♦

LIN 420 Management in Library and Information Centers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
The course will cover the development and use of modern management theory and practices in the ever-changing work environment of libraries and other information agencies. In particular, the management functions of planning, organizing, staffing, directing and budgeting will be discussed. The course is taught entirely online.
Repeatable: No
♦

LIN 496 Senior Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): LIN major and senior standing.
Taught: Spring only
Students propose and work on projects that allow them to integrate academic experience into real world situations. Students undertake assignments to build organizational competencies such as communication skills, team-work, and critical thinking.
Repeatable: No
♦

LIN 499 Independent Study: Library Informatics (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Individualized study of a special topic related to library informatics, under supervision of a faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MANAGEMENT

GSCM 207 Introduction to Supply Chain Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Variable, check with department
Familiarizes students with the scope of global supply chain management in organizations. Exposure to key dimensions of supply chain management, including those related to logistics, purchasing, information systems, asset management, and strategic supply chain configuration will be provided.
Repeatable: No
♦

GSCM 308 Global Strategic Sourcing (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GSCM 207, MGT 305 and junior standing.
Taught: Variable-chck w/dept
Familiarizes students with an overview of strategic sourcing and relevant strategies in a global supply chain. The emphasis will be on the importance of domestic and global supply relationships in sourcing and importing goods. A diverse range of global sourcing models and options will be discussed.
Repeatable: No
♦

GSCM 309 Logistics and Distribution (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 307, MGT 305 and junior standing.
Taught: Fall and spring
Familiarizes students with materials management and its importance to the supply chain. The importance of demand planning, logistics and physical distribution will be highlighted. Students will be exposed to the tools of materials management and the managerial decisions related to them.

Repeatable: No

♦

GSCM 365 Supply Chain Data Analytics 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GSCM 207 orMGT 305 ; STA 205 or STA 205R ; junior standing or consent of faculty member
Taught: Fall and Spring
Course familiarizes students with real life applications of descriptive, predictive and prescriptive data analytics in supply chain management using a popular tool. Cases and datasets from various SCM fields, such as transportation, logistics, warehouse inventory management, procurement and supply management, etc., in various industries will be introduced to students.
Repeatable: No

GSCM 392 Advanced Supply Chain Research 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): any 300-level GSCM course; junior standing or consent of instructor
Taught: Variable, check with department
Advanced research in supply chain management by participating in special project or original research directed by a member of the Global Supply Chain Management faculty. Open only to Global Supply Chain Management majors.
Repeatable: No

GSCM 394 Topics: Global Supply Chain Management 1-3 credit hours
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): GSCM207; Junior standing or consent of instructor
Taught: Variable, check with department
Specialized topics of student and business community interest. Topics for current offering listed in Schedule of Classes. With department approval may be repeated for elective credit when topics change.
Repeatable: Yes
If Repeatable, Max. Credits: 9 hours

GSCM 396 Internship: Global Supply Chain Mgt 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GSCM 207; any 300-level GSCM course or MGT 305 ; consent of supervising faculty member
Taught: Variable, check with department
Application of theoretical knowledge in solving business problems in GSCM through consulting and counseling with business owners or management; groups work in case analysis and problem solving. Open only to certified Global Supply Chain Management majors.
Repeatable: No

GSCM 416 Global Supply Chain Analytics (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GSCM 308 and GSCM 309
Taught: Fall and spring
Familiarizes students with managerial performance strategies, metrics and risk management tools needed to make decisions in designing and operating global supply chains. Financial metrics related to revenue management, cost-effectiveness and a variety of modeling tools for analysis will be highlighted.
Repeatable: No

♦

GSCM 496 Internship: Global Supply Chain Mgt II 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): GSCM 396 ; consent of supervising faculty member
Taught: Variable, check with department
Extended application of theoretical knowledge in solving business problems in GSCM through consulting and counseling with business owners or management; groups work in case analysis and problem solving. Open only to juniors certified as majoring in GSCM.
Repeatable: No

MGT 205 Business Management Principles (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Introduction to business firms, their organization, functions, and management in context of global, legal, and ethical environments; business as a setting in which people work, make decisions, and contribute productively to society; management of people, information, and processes to achieve organizational goals.
Repeatable: No

♦

MGT 240 Managerial Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 and sophomore standing.
Taught: Fall and spring
Prepares students to write and speak effectively when solving problems managers face. Speaking as a manager through formal and informal addresses, business meetings, news conferences. Writing managerial documents: memoranda; letters; e-mail; short formal special reports; executive summaries and informal notes to superiors, peers and subordinates.
Repeatable: No

♦

MGT 300 Behavior in Organizations: Understanding Organizational Life (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 45 earned credit hours
Taught: Fall and spring
Overview of the complex organizational, group, and individual processes constituting the internal environment of contemporary business organizations; understanding the dynamics and learning the concepts, theories, processes, and skills suggested by research to underlie effective planning, organizing, interacting, and controlling.
Repeatable: No

♦

MGT 305 Operations Management in Business (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 114 *and STA 205 or STA 205R ;45 credit hours earned.*

Taught: Fall and spring
Concepts of operations in production and service organizations; application of quantitative and qualitative techniques to quality, human resources, forecasting, inventory, and process improvement problems.
Repeatable: No
♦

MGT 306 Project Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 45 earned credit hours
Taught: Variable, check with department
This course is an introduction to the Concepts, tools and techniques of Project Management. The goal is to provide the student with a fundamental knowledge of project planning, budgeting, scheduling, work breakdown structures, risk analysis, project monitoring and project control/termination. Group projects, presentations, class discussions and case exercises will provide the vehicle for developing decision- making, communication, interpersonal and leadership skills that are essential for success in the workplace.
Repeatable: No
♦

MGT 310 Leading High Performing Teams (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 205 or MGT 300
Taught: Fall and spring
An introduction to teamwork concepts and skills. Covers structural and process attributes of teams with the objective of enhancing team leader or member effectiveness. Communication skills essential to effective teamwork are also included in the course.
Repeatable: No
♦

MGT 315 Continuous Quality Improvement in Operations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 300 and MGT 305.
Taught: Variable, check with department
Advanced operations management approaches to quality; process and productivity improvement in manufacturing, and service and government organizations; use of case studies, exercises, and/or term projects to show application of management and quantitative concepts.
Repeatable: No
♦

MGT 320 Managing a Diverse Workforce (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
This course will provide an overview of the theories and concepts of managing diversity. Students will understand the importance of managing a diverse workforce, gain self-awareness of their individual diversity and develop an awareness and skill set for understanding, analyzing, evaluating, and managing diversity issues in the workplace.
Repeatable: No
♦

MGT 330 Negotiation and Conflict Resolution (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
The skills, knowledge and abilities to negotiate effectively with others are important to managers and employees in all types of organizations; business, governmental, non-profit, healthcare and professional. The purpose of this course is to provide students with the theory, tactics, and practices that will enable them to negotiate successfully and resolve conflicts. Core subjects include negotiation preparation; distributive and integrative bargaining; strategies and tactics; gaining leverage through power and persuasion; and the influences of ethics, gender and culture. In addition to use of mediation and arbitration techniques to resolve conflicts are presented. The course requires students to learn through active participation in negotiation of actual cases.
Repeatable: No
♦

MGT 340 Human Resource Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Recruitment and selection of labor force; training of employees; management development; wage and salary plans; personnel policies; development of personnel policies consistent with government regulations.
Repeatable: No
♦

MGT 355 International Business Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ECO 100, Junior standing, and major or pre-major in the college of business.
Taught: Variable, check with department
This course introduces students to international business, strategy and management. It examines strategy from the perspective of the parent company and its foreign subsidiaries. It focuses upon the internationalization process and international market entry modes, as well as the main value chain activities and support functions.
Repeatable: No
♦

MGT 360 Comparative International Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall and spring
Management of the multinational firm; cross cultural issues; differences in attitudes and behaviors, organizational structure, environmental considerations between domestic and multinational firms; host country subsidiary relations in an international context.
Repeatable: No
♦

MGT 370 Managing Organizational Change (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 300.

Taught: Spring only
Application of theories of organizational change to a variety of business organizations; planning and implementing of organizational change as well as its behavioral aspects; use of simulations, cases, and/or projects to blend theory and practice.
Repeatable: No

♦

MGT 392 Research Experience in Management (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in management by participating in special project or original research directed by a member of the Management faculty. Course intended for Management majors. May not be used as a MGT elective
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MGT 394 Topics: Management (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Specialized topics of student and business community interest. Topics for current offering listed in Schedule of Classes. With department approval may be repeated for elective credit when topics change.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

MGT 396 Internship: Management (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): MGT 300 and consent of instructor.
Taught: Fall, winter, spring and summer
Application of theoretical knowledge in solving business problems through consulting and counseling with business owners; groups work in case analysis and problem solving. Open only to juniors certified as majoring in business.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MGT 406 Leadership and Change (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing and open only to students certified as Management majors.
Prerequisite OR Co-requisite: MGT 310, MGT 340
Taught: Fall and spring
Identify and assess competencies and values relevant to leadership. Identify and develop skills needed to effectively lead organizations through change. Develop and implement lifelong learning plans for acquiring future needed competencies.
Repeatable: No

♦

MGT 490 Business Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MGT 300, FIN 305, MGT 305, MKT 205 or MKT 305, senior standing, and open only to students certified as majoring in business disciplines.
Taught: Fall and spring
Application of theoretical knowledge to a wide variety of business situations; development of top management viewpoint in developing and assessing corporate strategy; case method and classroom presentations. Recommended to be taken during the last 18 semester hours of business coursework.
Repeatable: No

♦

MGT 499 Independent Study: Management (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Open only to students certified as majoring in business or by consent of instructor, MGT 300 and consent of instructor.
Taught: Variable, check with department
Students pursue a topic or project of interest to them. Meeting times arranged with instructor.
Repeatable: No

♦

MARKETING

MKT 205 Principles of Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Flow of goods from producer to consumer; demand-stimulated and demand-fulfilling activities of business enterprises; marketing concepts and systems analysis.
Repeatable: No

♦

MKT 292 Intensive Research in Marketing (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in Marketing by participating in special project or original research directed by a member of the faculty. Course intended for students majoring in Marketing. May not be used as a MKT elective.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MKT 300 Marketing Tools (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MKT 205 or MKT 305 Marketing Principles.
Taught: Fall and spring
MKT 300 is designed to introduce students to the analytical, financial, communications, and decision-making skills and development of the technical competencies needed to succeed as a marketing professional.

Repeatable: No

♦

MKT 307 Shopper Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Fall and spring
Retail sub-channel of distribution; role of retailing in meeting consumer and producer needs in distribution; distribution cost analysis at retail level; merchandising, promotion, and control.
Repeatable: No

♦

MKT 308 Integrated Marketing Communications (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Fall and spring
Students explore how to design, manage, and coordinate effective marketing and promotion programs using different marketing communication tools.
Repeatable: No

♦

MKT 310 Selling Skills (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s):
Prerequisite OR Co-requisite: MKT 205
Taught: Fall and spring
Students are exposed to strategies, theories, and personal skills involved in processes used to manage and build customer relationships and gain an appreciation for the role of customer value in marketing.
Repeatable: No

♦

MKT 320 Applied Consumer Behavior (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Fall and spring
Focuses on examining different types of consumers and their decision making processes, experiences and satisfactions in the marketplace. Emphasis is placed on factors that influence how consumers think, feel, and act.
Repeatable: No

♦

MKT 333 Global and Cultural Issues in Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Fall and spring
Focuses on an understanding of the global, societal, and cultural context of marketing, and the impact these factors have on the practice of marketing. Incorporates the development of the marketing mix in light of these contextual factors.
Repeatable: No

♦

MKT 365 Professional Selling (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 and MKT 310.
Taught: Fall and spring
This course is designed to provide deeper insights into the sales profession by examining the role of persuasive communication and customer relationship management behaviors, principles, strategies, and actions.
Repeatable: No

♦

MKT 370 Social and Digital Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Variable, check with department
Focuses on social media tools and analytics used by marketers to communicate with and create value for targeted audiences; explore the possibilities and limitations of various social media; apply and integrate social media tools into marketing strategies; evaluate effectiveness of different social media campaigns in achieving organizational goals.
Repeatable: No

♦

MKT 388 Consumer Insights (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205
Prerequisite OR Co-requisite: MKT 300
Taught: Fall and spring
Introduction to the role of research in marketing decision making including defining marketing research problems and objectives, research designs and methodologies, primary and secondary data collection, sampling techniques, data analysis, and data reporting.
Repeatable: No

♦

MKT 394 Topics: Marketing Issues (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 or MKT 305.
Taught: Variable, check with department
Specialized topics of faculty and student interest. Topics vary and may include product planning and development, distribution, pricing strategies, services marketing, and international marketing.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

MKT 396 Internship: Marketing (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): C or better in MKT 205 and any 300-level MKT course, consent of supervising faculty member, GPA of at least 2.75.
Taught: Fall, spring, and summer
Supervised professional work and learning experience in an approved marketing-related professional position. Maximum of 3 hours can be used as MKT elective.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

MKT 480 Strategic Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For MKT majors: MKT 388, and senior standing; for SPB majors, SPB 305 and senior standing. Open only to students certified as majors in Marketing or Sports Business and Event Management, or by consent of instructor.
Prerequisite OR Co-requisite: MKT 320
Taught: Fall and spring
Development of advanced marketing decision-making skills and knowledge through planning and analysis of a marketing landscape.
Repeatable: No
♦

MKT 488 Advanced Marketing Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MKT 320, MKT 388, senior standing, and a ceritified MKT major, or consent of instructor.
Taught: Fall and spring
Development of advanced marketing research skills and knowledge through lecture/discussion and a field research study for a local non-profit organization. Open only to students in the marketing research track.
Repeatable: No
♦

MKT 496 Marketing Practicum (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): MKT 205 with a C or better and permission from instructor.
Taught: Variable, check with department
This professional experience course involves 60 hours per credit hour of applied learning experiences within the marketing industry. Students log field experience hours that include observing and providing assistance to a business professional in order to learn about the field of marketing and to gain professional experience and contacts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

MKT 499 Independent Study: Marketing (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s):

C or better in MKT 205 or MKT 305, senior standing and consent of instructor.
Taught: Variable, check with department
Students pursue a topic or project of interest to them. Meeting times arranged with instructor. Open only to students certified as majoring in business or by consent of instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

MASTER'S EDUCATION

EDMT 542 Method and Pedagogy in Middle School/Secondary Business/Marketing (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Theories, methods/techniques and technologies in designing, delivering and evaluating instruction in middle school and high school business/ marketing.
Repeatable: No

EDMT 543 Method and Pedagogy in Middle School/Secondary Science (1.5-3 credits)
Hours: 1.5-3 classroom + 0 lab/studio
Taught: Fall only
Theories, methods, techniques and technologies in designing, delivering and evaluating instruction in middle school and high school science.
Repeatable: Yes
If Repeatable, Max. Credits: 3

EDMT 544 Method and Pedagogy in Middle School/Secondary Math (1.5-3 credits)
Hours: 1.5 - 3 classroom + 0 lab/studio
Co-requisite(s): EDMT 696.
Taught: Fall only
Theories, methods/techniques and technologies in designing, delivering and evaluating instruction in middle school and high school mathematics.
Repeatable: Yes
If Repeatable, Max. Credits: 3

EDMT 545 Method and Pedagogy in Middle School/Secondary Social Studies (1.5-3 credits)
Hours: 1.5 - 3 classroom + 0 lab/studio
Co-requisite(s): EDMT 696.
Taught: Fall only
Theories, methods/techniques and technologies in designing, delivering and evaluating instruction in middle school and high school social studies.
Repeatable: Yes
If Repeatable, Max. Credits: 3

EDMT 546 Method & Pedagogy in Middle Grades LA (1.5-3 credits)
Hours: 1.5 - 3 classroom + 0 lab/studio
Prerequisite(s): 12 semester hours of language arts content course with a grade of C or better chosen from English, Speech, or Journalism and admission to the Teacher Education program.
Taught: Fall and spring
Theory, content and instructional strategies for teaching language arts in the middle grades; including national and state standards.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

EDMT 594 Topics in Education (3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Individual or group in depth study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

MASTER'S HEALTH INFORMATICS

MHI 599 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Independent project or intensive study/research with faculty guidance. Open only by consent of advisor/instructor. Meeting times arranged with instructor.
Repeatable: No
♦

MATHEMATICS

MAT 101 Preparation for College Algebra (3 credit)
Hours: 3 classroom + 1 lab/studio
Prerequisite(s): None
Taught: Fall, Spring, Summer
Develops foundational mathematical and algebraic concepts necessary for success in College Algebra including fractions, decimals, percents, integer exponents, square roots, linear equations, lines, and factoring quadratic expressions.
Repeatable: No

MAT 102 Introductory College Algebra (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Fall, Spring, Summer
Fundamentals and applications of algebra including exponents and radicals, algebraic and rational expressions, equations, inequalities, lines, and systems of equations. Develops manipulative algebraic skills and mathematical reasoning required for further study in mathematics.
Repeatable: No

MAT 103 Intermediate College Algebra (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 102 or placement.
Study of functions, parabolas, and circles. Topics include domain, range, piecewise functions, graphs of functions, transformations, composite functions, inverse functions, polynomial and rational functions. Coverage of essential topics necessary for success in MAT 119.
Repeatable: No

MAT 110 Introductory Probability (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Spring and Summer
Enumeration techniques and probability theory. Not open to students who have completed STA 250. Same as STA 110.
Repeatable: No
♦

MAT 112 Applied Calculus (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 103 or placement.
Taught: Fall, spring, and summer
Applications of differential and integral calculus of one variable to business and the life sciences. Not open to students who have passed MAT 129 or MAT 227.
Repeatable: No
♦

MAT 114 Finite Mathematics - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 102 or placement.
Taught: Fall, spring, and summer
Linear functions, matrix algebra, linear programming, and probability. Emphasis on applications to business.
Repeatable: No
General Education Credit: Mathematics
♦

MAT 115 Mathematics for Liberal Arts - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Fall, spring, and summer
Appreciation of mathematical ideas applied to problems from the real world; scheduling, voting schemes, apportionment, descriptive statistics, shape and symmetry, fractals, and population growth. For students of the liberal arts.
Repeatable: No
General Education Credit: Mathematics
♦

MAT 115R Math for Liberal Arts w/ Recitation - QR (3 credits)
Hours: 3 Classroom + 1 Lab Studio
Prerequisite(s): None.
Taught: Fall and Spring
Appreciation of mathematical ideas applied to problems from the real world; scheduling, voting schemes, apportionment, descriptive statistics, shape and symmetry, fractals, and population growth. For students of the liberal arts. Use of recitation model for additional instruction in foundational mathematical concepts supporting course content.
Repeatable: No

MAT 116 Arithmetic Structures for MG Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 107 or Passing score on the Basic Skills Test and *P in MAT 101 or placement.*
Taught: Fall only
Concepts of numbers and arithmetic operations; rational and irrational numbers; representations of and operations involving rational numbers; directly and inversely proportional relationships; modular arithmetic; Euclidean Algorithm; number properties; divisibility tests; rational exponents; factors and multiples; GCD and LCM; prime numbers and prime factorizations. Open only to students majoring in middle grades education.

Repeatable: No

♦

MAT 117 Algebra for Middle Grades Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 116 and B- or better in MAT 103 or placement.
Taught: Spring only
Concepts of algebra including expressions, equations, and functions, with a focus on the understanding necessary for future middle grades mathematics teachers. Open only to students majoring in elementary or middle grades education or by instructor permit.
Repeatable: No

♦

MAT 119 Pre-Calculus Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 103 or placement.
Taught: Fall, spring, and summer
Analytic geometry; algebraic, trigonometric, exponential, and logarithmic functions. Not open to students who have passed MAT 128 or MAT 129.
Repeatable: No

♦

MAT 128 Calculus A - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 119 or placement.
Taught: Fall and spring
Includes material covered in the first third of the MAT 129-MAT 229 sequence. Limits, differentiation with applications. Credit is not given for both MAT 129 and MAT 128.
Repeatable: No
General Education Credit: Mathematics

♦

MAT 129 Calculus I - QR (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 119 or placement.
Taught: Fall and spring
Limits differentiation and integration with application. Recommended for all students interested in mathematics or science. Credit is not given for both MAT 129 and MAT 128.
Repeatable: No
General Education Credit: Mathematics
Available High Impact Practices: collaborative learning

♦

MAT 140 Arithmetic Structures for Elem. Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 107 or Passing score on the Basic Skills Test.
Taught: Fall and spring.
Basic concepts of numbers and arithmetic operations; number theory. Open only to students majoring in elementary or middle grades education.
Repeatable: No

♦

MAT 141 Geometry I for K-8 Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 107 *or Passing score on the Basic Skills Test.*
Taught: Fall and spring.
Elements of geometry. Open only to students majoring in elementary or middle grades education.
Repeatable: No

♦

MAT 141R Geometry I for K-8 Teachers w/Recitation (3 credits)
Hours: 3 Classroom + 1 Lab Studio
Prerequisite(s): EDU 107 *or Passing score on the Basic Skills Test.*
Taught: Fall
Elements of geometry. Use of recitation model for additional instruction in foundational geometrical concepts supporting course content. Open only to students majoring in elementary or middle grades education.
Repeatable: No

MAT 185 Introductory Discrete Mathematics - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 103 or placement.
Taught: Variable, check with department.
Number systems important in computer applications, logic, set theory, combinatorics and probability, graph theory. Not open to students who have completed MAT 385.
Repeatable: No
General Education Credit: Mathematics

♦

MAT 194 First-Year Explorations (2 credit)
Hours: 2 classroom + 0 lab/studio
Taught: Fall
Introduction to disciplines in mathematics & statistics; readings and discussions pertaining to mathematical and statistical applications. Topics vary.
Repeatable: No

♦

MAT 199 Introductory Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Introductory independent study in some mathematical topic. Topic will vary by offering.
Repeatable: Yes
If Repeatable, Max. Credits: 6

MAT 227 Calculus B (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 128.
Taught: Fall and spring
Includes material covered in the middle third of the MAT 129-MAT 229 sequence. Integration with applications, the Fundamental Theorem of Calculus, calculus of exponential, logarithmic, and inverse functions, integration by parts; calculus of parametric equations and polar curves.
Repeatable: No

♦

MAT 228 Calculus C (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 227.
Taught: Fall and spring
Includes material covered in the last third of the MAT 129-MAT 229 sequence. Approximate integrals, improper integrals, infinite sequences and series, tests for convergence and divergence, power series, Taylor and Maclaurin series with applications; introduction of vectors and geometry of space; dot product and cross product. Credit is not given for both MAT 228 and MAT 229.
Repeatable: No
♦

MAT 229 Calculus II (5 credits)
Hours: 5 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 129 or MAT 227.
Taught: Fall and spring
Calculus of exponential, logarithmic, and inverse functions; techniques of integration; arc length; calculus of parametric equations and polar curves; infinite sequences and series; introduction of vectors and Geometry of space; dot product and cross product. Credit is not given for both MAT 228 and MAT 229.
Repeatable: No
♦

MAT 234 Linear Algebra (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 228 or MAT 229.
Taught: Fall and spring
Vectors, matrix arithmetic, vector spaces, linear transformations, and applications.
Repeatable: No
♦

MAT 240 Geometry II for K-8 Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): B- or better in MAT 141 or MAT 141R.
Taught: Fall only
Points, lines, and planes; curves and surfaces; congruence; similarity; parallelism; transformation, tessellations; systems of measure; perimeter; area; volume; angle measure. Appropriate computer software will be introduced. Only open to students majoring in elementary or middle grades education.
Repeatable: No
♦

MAT 292 Introductory Mathematical Research (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Introduction to research in mathematics by participation in a special project or original research directed by a member of the Department of Mathematics and Statistics faculty. Course intended for mathematics majors interested in mathematics research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5
♦

MAT 294 Topics: Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Topics in mathematics or mathematics education. Topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15
♦

MAT 299 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15
♦

MAT 302 Introduction to Higher Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 228 or MAT 229.
Taught: Fall and spring
Essentials of logic; methods of proof; set theory.
Repeatable: No
♦

MAT 305 History of Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 129 or MAT 227.
Taught: Fall only-odd years
Mathematics from ancient times through development of the calculus.
Repeatable: No
♦

MAT 310 Elementary Theory of Numbers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 302.
Taught: Fall only, even years
Numbers and their representation, divisibility, and factorization; prime numbers; congruencies; primitive roots; quadratic reciprocity; Diophantine equations.
Repeatable: No
♦

MAT 325 Differential Equations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 228 or MAT 229.
Taught: Spring only
Ordinary differential equations, with applications.
Repeatable: No
♦

MAT 329 Calculus III (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 228 or MAT 229.
Taught: Fall and spring

Cylindrical and spherical coordinates; space curves; differentiation and integration of vector functions; differentiation of functions of several variables, multiple integrals; vector fields; line and surface integrals; Green's Theorem.
Repeatable: No

♦

MAT 330 Partial Differential Equations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 325.
Taught: Fall only
Fourier series; orthogonal expansions; eigenvalue problems; boundary value problems in ordinary and partial differential equations. Same as PHY 330.
Repeatable: No

♦

MAT 345 Introduction to Higher Geometry (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 302.
Taught: Fall only-odd years
Axiomatic Euclidean geometry; introduction to non-Euclidean geometries.
Repeatable: No

♦

MAT 350 Financial Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 228 or MAT 229 or equivalent.
Taught: Spring only, odd years
Interest Theory and Financial Economics. Topics includes: time value of money, annuities/cash flows with payments that are not contingent, loans, bonds, general cash flows and portfolios, immunization, interest rate swaps, determinants of interest rates and other investment strategies.
Repeatable: No

♦

MAT 360 Numerical Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 234 and (CSC 270 or CSC 260).
Taught: Spring only, even years
Numerical integration, solution of nonlinear equations by iterative processes; functional approximation and interpolation; initial value problems.
Repeatable: No

♦

MAT 375 Applied Mathematical Models (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in (MAT 129 or MAT 227) and (STA 205 or STA 250).
Taught: Variable, check with department
Basic mathematical models arising in biology, psychology, sociology, political science, and decision science; exponential growth, predator-prey, Markov chain, learning theory, linear and nonlinear programming, waiting line, and simulation models.
Repeatable: No

♦

MAT 385 Discrete Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 228 or MAT 229.
Taught: Fall and spring
Propositional and predicate logic; proof techniques; recurrence relations; basic set theory; introduction to graphs, Boolean algebra; finite state machines.
Repeatable: No

♦

MAT 392 Research in Mathematics (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Original research in mathematics directed by a member of the Department of Mathematics and Statistics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 393 Career Explorations in Mathematics (1 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Junior standing and a declared major in mathematics and/or statistics.
Taught: Fall only
Supports mathematics/statistics majors in their exploration of post-graduation opportunities. Topics include the exploration of career opportunities and graduate programs; introduction to local industries and graduate programs; self-assessment of skills, interests, and personality traits; preparation of cover letters, personal statements, resume/CV; and discussion of job search strategies and interviewing skills.
Repeatable: No

♦

MAT 394 Topics: Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 399 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 410 Group Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 302.
Taught: Spring only-odd years
An introduction to the theory of groups. Symmetric groups, abelian

groups, cyclic groups, homomorphisms, Lagrange's theorem, normal subgroups, and factor groups.
Repeatable: No

♦

MAT 415 Rings and Fields (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 234 *AND* MAT 302 .
Taught: Spring only-even years
Rings, ideals, homomorphisms, and factor rings. Integral domains and polynomial rings. Fields, algebraic extensions, finite fields, and elementary Galois theory.
Repeatable: No

♦

MAT 420 Real Variables I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 302 and MAT 329.
Taught: Fall only-odd years
Foundations of calculus; topology of Cartesian spaces; convergence; continuous functions.
Repeatable: No

♦

MAT 421 Real Variables II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 420.
Taught: Spring only-even years
Sequences and series of functions; integration.
Repeatable: No

♦

MAT 430 Complex Variables (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 302 and MAT 329.
Taught: Fall only, even years
Analytic functions of a complex variable; Cauchy's theorem and Cauchy's formula; power series; contour integrals; conformal mapping; calculus of residues.
Repeatable: No

♦

MAT 483 Cryptology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 234 or CSC 362 or CSC 364.
Taught: Variable, check with department
Cryptology of classical ciphers, mathematical foundations of cryptology, Hill cipher, DES and AES, cryptography of public key cryptosystems. Same as CSC 483.
Repeatable: No

♦

MAT 489 Comprehensive Examination (0 Credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Not assigned
Completion of a program reflection and an examination over general concepts in mathematics. To be taken within two semesters of graduation.
Repeatable: No

♦

MAT 490 Mathematics Research Proposal (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Development of a comprehensive proposal for a research project in mathematics. Includes feasibility study, identification of resources, establishment of appropriate goals, proposal writing, and a public defense. May not be applied toward elective hours in the mathematics or statistics major. Pass/Fail.
Repeatable: No

♦

MAT 491 Mathematics Honors Research Project (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Passing grade in MAT 490.
Taught: Variable, check with department
Supervised research in mathematics, concluding with a written report and public presentation of results.
Repeatable: No

♦

MAT 492 Advanced Research in Mathematics (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Original research in mathematics directed by a member of the Department of Mathematics and Statistics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 494 Topics: Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Topics in mathematics or mathematics education. Topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 497 Mathematical Sciences Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 30 semester hours earned toward the major in mathematics.
Taught: Spring only
Directed projects in the mathematical sciences.
Repeatable: No

♦

MAT 499 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MAT 584 Cryptography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Cryptology of classical ciphers, DES and AES, public key cryptosystems, authentication and cryptographic hash functions. Same as CSC 584.
Repeatable: No

♦

MAT 594 Topics: Mathematics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Topics in mathematics and mathematics education. Topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

MEDIEVAL STUDIES

MDS 494 Seminar: Medieval Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MDS 201 and 9 semester hours of courses in medieval studies curriculum.
Taught: Variable, check with department
Selected topics in culture of the middle ages; student research on issues related to topic. Required for medieval studies minor.
Repeatable: No

♦

MILITARY SCIENCE

MSC 101 Leadership and Personal Development (1 credit)

Taught: Variable, check with department
Repeatable: No

MSC 102 Freshman Leadership Lab I (1 credit)

Taught: Variable, check with department
Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills.
Repeatable: No

MSC 103 Intro to Tactical Leadership (1 credit)

Taught: Variable, check with department
Presents fundamental leadership concepts and doctrine. Opportunities to practice basic skills that underlie effective problem solving and apply active listening and feedback skills. Examine the officer experience and those factors that influence leader and group effectiveness.
Repeatable: No

MSC 104 Freshman Leadership Lab II (1 credit)

Taught: Variable, check with department
Military courtesy, customs and traditions of the service, development of self-confidence, drill and ceremonies, physical training, rappelling, rifle marksmanship training, and other basic skills.
Repeatable: No

MSC 201 Innovative Team Leadership (3 credits)

Taught: Variable, check with department
Repeatable: No

MSC 202 Sophomore Leadership Lab I (1 credit)

Taught: Variable, check with department
Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed.
Repeatable: No

MSC 203 Foundations of Tactical Leadership (3 credits)

Taught: Variable, check with department
Repeatable: No

MSC 204 Sophomore Leadership Lab II (1 credit)

Taught: Variable, check with department
Functions and responsibilities of junior Noncommissioned Officers with particular attention devoted to the continued development of leadership potential. Drill and ceremony, map reading, physical training, leadership reaction, and practical field experiences are stressed.
Repeatable: No

MSC 299 Leaders Training Course (4 credits)
Hours: 4 classroom + 0 lab/studio
Taught: Variable, check with department
If eligible, students may apply to the chair. Six weeks of paid summer ROTC training at Fort Knox, Kentucky. Course graduates are eligible to enter the ROTC advance course and earn two year scholarships
Repeatable: No

MSC 301 Adaptive Tactical Leadership (3 credits)

Taught: Variable, check with department
The student is challenged to study, practice and evaluate adaptive team leadership skills in preparation for the Leader Development and Assessment Course. Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills.
Repeatable: No

MSC 302 Junior Leadership Lab I (1 credit)

Taught: Variable, check with department

Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel management skills and by emphasizing the functions, duties, and responsibilities of Commissioned Officers and Noncommissioned Officers. Physical training and preparation for the summer assessment course are emphasized.
Repeatable: No

MSC 303 Lead in Changing Environment (3 credits)

Taught: Variable, check with department
Probes leader responsibilities that foster an ethical command climate. Develops cadet leadership competencies and prepares them for success at the Leadership Development and Assessment Course. Recognize leader responsibilities to accommodate subordinate needs. Apply principles and techniques of effective written and oral communications.
Repeatable: No

MSC 304 Junior Leadership Lab II (1 credit)

Taught: Variable, check with department
Designed to develop leadership potential by participation in the planning and conducting of training, development of personnel management skills and by emphasizing the functions, duties and responsibilities of Commissioned Officers and Non-commissioned Officers. Physical training and preparation for the Leadership Development and Assessment Course are emphasized.
Repeatable: No

MSC 399 Leader Development Assessment (4 credits)

Taught: Variable, check with department
This training is conducted at Fort Lewis, Washington and normally takes place in the summer following the junior year. This internship is five weeks in duration and oriented on the execution of Advanced Military Tactics, Cadet Leadership ability, and physical endurance.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MSC 401 Developing Adaptive Leaders (3 credits)

Taught: Variable, check with department
Builds on Leadership Development and Assessment Course experience to solve organizational and staff problems. Discuss staff organization, functions, and processes. Analyze counseling responsibilities and methods. Examine principles of subordinate motivation and organizational change. Apply leadership and problem solving principles to a complex case study.
Repeatable: No

MSC 403 Leadership in A Complex World (3 credits)

Taught: Variable, check with department
Repeatable: No

MSC 404 Senior Leadership Lab II (1 credit)

Taught: Variable, check with department
Emphasizes the functions, duties, and responsibilities of junior Army Officers with special attention directed toward developing advanced leadership potential, personal communications (oral and written) skills and through active participation in the planning and conduct of training.
Repeatable: No

MSC 499 Directed Study (1-3 credits)

Taught: Variable, check with department
Open to especially qualified students with the consent of the department chair.
Repeatable: No

MUSIC

MUS 100 Music Appreciation - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Survey of the development of music in Western civilization, with emphasis on the interdependence of classical music with art, literature, politics, religion, socio-economic changes, and world influences. Emphasis will be placed on developing a working knowledge of musical vocabulary and rhetoric, listening skills and the ability to identify differing musical styles, as well as familiarity with monuments of music and major composers.
Repeatable: No
General Education Credit: Culture and Creativity

MUS 106 Music of World Cultures - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
An overview of traditional music from cultures and regions throughout the world focusing primarily on non-Western traditions. This course examines music as a cultural phenomenon influencing the lives and traditions of contemporary cultures and past civilizations.
Repeatable: No
General Education Credit: Global Viewpoints

MUS 107 Survey of African-American Music (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Music of the present; oral folk tradition; transition to present day works of African-American composers, and their relationships to western and non-western traditions.
Repeatable: No

MUS 108 History of Rock and Roll - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Survey of the history, aesthetics, and sociology of rock and roll in the United States from its origins to the present.
Repeatable: No
General Education Credit: Cultural Pluralism

MUS 109 History of American Popular Music (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Survey of the history and development of American popular music

from 1940 to the present.
Repeatable: No

MUS 110 Appreciation of Jazz - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Survey of America's first indigenous art form and the elements influencing its historical, artistic, and socio-cultural impact nationally and globally. Emphasis will be placed on stylistic periods, historical contexts, major artists, and cultural influences of African and Western music methodologies as they relate to the development of the jazz idiom. Development of basic listening and music skills will be cultivated through the discussion of recordings, artist profiles, and concept application.
Repeatable: No
General Education Credit: Cultural Pluralism

MUS 135 Class Piano for Non-Music Students I (1 credit)
Hours: 0 classroom + 3 lab/studio
Taught: Fall and spring
Group instruction in piano; development of reading, technique, and functional keyboard skills for students not majoring in music.
Repeatable: No

MUS 136 Class Piano for Non-Music Students II (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): MUS 135 or 1 or more years of private piano study, or consent of instructor.
Taught: Spring only
Intermediate level group instruction in piano; further development of reading technique, and functional keyboard skills for students not majoring in music. Limit 18 per class.
Repeatable: No
♦

MUS 148 Group Guitar (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Group instruction in beginning guitar; development of reading, technique, and functional skills helpful for elementary school teachers and others majoring in music.
Repeatable: No

MUS 159 Music Education Field Work (3 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall and spring
Additional field work for music education majors.
Repeatable: No

MUS 201 Music and the Moving Image - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and Spring
Explores the cultural, historical, and aesthetic relationships of music and moving imagery. Examines the aural and psychological impact of music within the visual narrative of cinema, television, and video games, and traces the role of the films score composer and the history of film scores as a musical genre.
Repeatable: No
General Education Credit: Culture and Creativity

MUS 260 Music Fundamentals and Skills for Classroom Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 104.
Taught: Fall, spring, and summer
Designed to train teachers in grades one through six to read music, keyboard, auto harp, and recorder experiences; methods and materials. For students not majoring in music.
Repeatable: No
♦

MUS 291W Advanced Writing in the Music Profession (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101.
Taught: Spring only
For students planning careers in music or who have an interest in the field. Treats writing as a process of research, revision, multiple drafts, and feedback through peer workshops and instructor conferences. Incorporates close reading and critical thinking to help students engage with the ideas of others and to discover new writing techniques.
Repeatable: No
General Education Credit: Written Communication II
♦

MUS 492 Student Research in Music (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Fall and summer
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved music course.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

MUSA 101 Applied Flute (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 102 Applied Oboe (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1

contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 103 Applied Clarinet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 104 Applied Bassoon (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 105 Applied Saxophone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 110 Applied French Horn (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 111 Applied Trumpet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 112 Applied Trombone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 113 Applied Music: Euphonium (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 114 Applied Music: Tuba (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 120 Applied Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 121 Applied Organ (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 122 Applied Harpsichord (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 123 Applied Harp (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 124 Applied Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 125 Applied Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 126 Applied Secondary Percussion (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 130 Applied Violin (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 131 Applied Viola (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 132 Applied Cello (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 133 Applied Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 140 Applied Voice (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 150 Applied Jazz Saxophone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in jazz saxophone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 151 Applied Jazz Trumpet (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in jazz trumpet. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 152 Applied Jazz Trombone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in jazz trombone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 153 Applied Jazz Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz guitar. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 154 Applied Jazz Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz piano. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 155 Applied Jazz Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz bass. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 156 Applied Jazz Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz percussion. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 157 Applied Jazz Voice (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in jazz voice. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 196 Freshman Proficiency Jury (0 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall and spring
As part of the admission process to a music degree program, freshmen students majoring in music must pass a freshman Proficiency Jury in applied music after two semesters of applied study.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 201 Applied Flute (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 202 Applied Oboe (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 203 Applied Clarinet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 204 Applied Bassoon (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 205 Applied Saxophone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 210 Applied French Horn (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 211 Applied Trumpet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 212 Applied Trombone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 213 Applied Euphonium (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 214 Applied Tuba (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 220 Applied Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 221 Applied Organ (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students

by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 222 Applied Harpsichord (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 223 Applied Harp (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 224 Applied Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 225 Applied Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 226 Applied Secondary Percussion (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 196.
Taught: Fall and Spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 230 Applied Violin (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 231 Applied Viola (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 232 Applied Cello (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 233 Applied Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 240 Applied Voice (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hour, 1 hr. contact = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 245 Applied Composition (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): placement test; at least 2.50 in music theory/aural skills.
Taught: Fall and spring
Private or semi-private instruction in music composition. ½ contact hour=1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

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MUSA 250 Applied Jazz Saxophone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Taught: Fall and Spring
Private instruction in jazz saxophone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 251 Applied Jazz Trumpet (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 196.
Taught: Fall and Spring
Private instruction in jazz saxophone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 252 Applied Jazz Trombone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 196.
Taught: Fall and Spring
Private instruction in jazz trombone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 253 Applied Jazz Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz guitar. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 254 Applied Jazz Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz piano. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 255 Applied Jazz Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz bass. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 256 Applied Jazz Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Taught: Fall and spring
Private instruction in jazz percussion. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

MUSA 257 Applied Jazz Voice (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 196.
Taught: Fall and Spring
Private instruction in jazz voice. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

MUSA 296 Sophomore Comprehensive Jury (0 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall and spring
At the end of four semesters of applied study, students majoring in music must pass the Junior Standing Jury in applied music to qualify for admission to a degree program.

Repeatable: Yes
If Repeatable, Max. Credits: 0.5

MUSA 301 Applied Flute (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 302 Applied Oboe (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 303 Applied Clarinet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 304 Applied Bassoon (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 305 Applied Saxophone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 310 Applied French Horn (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 311 Applied Trumpet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 312 Applied Trombone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.

Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 313 Applied Euphonium (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 314 Applied Tuba (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 320 Applied Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 321 Applied Organ (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 322 Applied Harpsichord (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 323 Applied Harp (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 324 Applied Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 325 Applied Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours;

and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 330 Applied Violin (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 331 Applied Viola (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 332 Applied Cello (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 333 Applied Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 340 Applied Voice (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 345 Applied Composition (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private or semi-private instruction in music composition. ½ contact hour=1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 350 Applied Jazz Saxophone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.

Taught: Fall and Spring
Private instruction in jazz saxophone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 351 Applied Jazz Trumpet (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.

Taught: Fall and Spring
Private instruction in jazz trumpet. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes

If Repeatable, Max. Credits: 4

♦

MUSA 352 Applied Jazz Trombone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz trombone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 353 Applied Jazz Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz guitar. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 354 Applied Jazz Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz piano. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 355 Applied Jazz Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz bass. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 356 Applied Jazz Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz percussion. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 357 Applied Jazz Voice (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz voice. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 396 Junior Recital (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Students majoring in applied music and music education must give a one half hour junior recital prior to graduation. A recital jury audition must be passed at least one month prior to the public performance.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

Available High Impact Practices: research/creativity

♦

MUSA 401 Applied Flute (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 402 Applied Oboe (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours;

and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 403 Applied Clarinet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 404 Applied Bassoon (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 405 Applied Saxophone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 410 Applied French Horn (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 411 Applied Trumpet (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 412 Applied Trombone (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 413 Applied Euphonium (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 414 Applied Tuba (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments.

Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 420 Applied Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 421 Applied Organ (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 422 Applied Harpsichord (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 423 Applied Harp (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hour = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 424 Applied Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 425 Applied Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 430 Applied Violin (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 431 Applied Viola (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring

Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 432 Applied Cello (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 433 Applied Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 440 Applied Voice (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in harpsichord, harp, voice, piano, piano accompanying, organ, guitar, and band, and orchestral instruments. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 hr. contact = 1 semester hours; and 1 contact hr. = 2 semester hours. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 445 Applied Composition (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private or semi-private instruction in music composition. ½ contact hour=1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 450 Applied Jazz Saxophone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz saxophone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 451 Applied Jazz Trumpet (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz trumpet. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. Hr.; 1 contact hour = 2 sem. Hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 452 Applied Jazz Trombone (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz trombone. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 453 Applied Jazz Guitar (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz guitar. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 454 Applied Jazz Piano (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz piano. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 455 Applied Jazz Bass (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz bass. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 456 Applied Jazz Percussion (1-2 credits)
Hours: 0 classroom + .5-1 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Private instruction in jazz percussion. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSA 457 Applied Jazz Voice (1-2 credits)
Hours: 0 classroom + 1-2 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and Spring
Private instruction in jazz voice. Open to students majoring or minoring in music; to other students by permission of music chair. 1/2 contact hour = 1 sem. hr.; 1 contact hour = 2 sem. hrs. Fees assessed according to contact hours.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

MUSA 496 Senior Recital (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): MUSA 296.
Taught: Fall and spring
Students majoring in applied music must give a 50 minute senior recital prior to graduation. A recital jury audition must be passed at least one month prior to the public performance.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

Available High Impact Practices: research/creativity
♦

MUSE 301 The Northern Chorale (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Chorale ensemble specializing in choral literature ranging from short octavos to extended works. For students majoring in voice and in music, and for musically talented general students.Fulfills large ensemble requirement.

Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 305 NKU Philharmonic (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Orchestral ensemble that rehearses and performs repertoire from the early Baroque to the present. Participation is open to all students, community members, and qualified students of the NKU Preparatory Program. Fulfills large ensemble requirement.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 306 University Concert Band (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): At least 3 years experience playing an instrument.
Taught: Fall and spring
Preparation and performance of a wide variety of band literature. Open to all students. NO audition necessary. Fulfills large ensemble requirement.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 307 Symphonic Winds (0-1 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Preparation of performance of traditional and contemporary literature for band; public concerts and performance for university functions. Open to all students. Fulfills large ensemble requirement.
Repeatable: Yes

If Repeatable, Max. Credits: No Limit

♦

MUSE 308 Jazz Ensemble (0-1 credits)
Hours: 0 classroom + 5 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Preparation and performance of traditional and contemporary literature for large jazz ensemble; public concerts and performance for university functions. Fulfills large ensemble requirement for the Jazz Studies track only, and small ensemble for other areas.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 309 Steel Drum Ensemble (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Preparation and performance of traditional and contemporary literature for steel drum ensemble; public concerts and performance for university functions. Fulfills small ensemble requirements.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSE 320 Guitar Ensemble (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): MUS 148 or consent of instructor.
Taught: Fall and spring
Preparation and performance of a wide variety of literature for guitar ensemble. Fulfills large and small ensemble requirement for guitar emphasis and ensemble for other areas.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 321 Chamber Choir (0-1 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
A select choral ensemble specializing in a variety of the best choral literature. For music students, voice students. All music majors and minors must fulfill their ensemble credit requirements prior to opting for the 0 cr. Fulfills small ensemble requirements.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 322 Women's Ensemble (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Must be able to read music rudimentally.
Taught: Fall and spring
Open to all female students. Performance of a variety of music. No audition necessary. Fulfills small ensemble requirements.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 323 Low Voice Choir (0-1 Credits)
Hours: 0 classroom + 0-1 lab/studio
Prerequisite(s): Must be able to read music rudimentally.
Taught: Variable-chck w/dept
Performance of a variety of music. Open to all low voices.
Repeatable: Yes
If Repeatable, Max. Credits: 2

♦

MUSE 324 Opera Workshop (0-2 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Musical and dramatic principles and techniques required of performers in musical theatre; needs of the singing actor, class presentations of roles and scenes from standard and contemporary operas and musicals. Fulfills small ensemble requirements.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity
♦

MUSE 325 Chamber Orchestra (0-1 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Preparation and performance of traditional and contemporary literature for small orchestra; public concerts and performance for university functions. Fulfills small ensemble requirement.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSE 328 Jazz Combo (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Focus is on the integration of many styles under the umbrella of the jazz idiom via a wider appreciation of jazz recordings, vocabulary, styles, and arranging. Provides intermediate to advanced jazz students the small group dynamic that's integral to the jazz art form. Fulfills small ensemble requirement.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity

♦

MUSE 329 Vocal Jazz Ensemble (0-1 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
A select choral ensemble specializing in vocal jazz performance and literature; singing in various jazz styles, improvisational singing, microphone techniques, and balance and blend for a small ensemble. Fulfills large or small ensemble requirement for the Jazz Studies track and small ensemble for other areas.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity

♦

MUSE 330 Chamber Music Ensembles (0-1 credits)
Hours: 0 classroom + 1-3. lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Participation in an ensemble to study and perform chamber music literature. All music majors and minors must fulfill their ensemble credit requirements prior to opting for the 0 cr. Fulfills small ensemble requirement.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity

♦

MUSM 104 Orientation to Music Education (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
The purpose of this course is to explore the profession of music education. The course is intended for anyone who is interested in teaching vocal, instrumental, or general music in P-12 schools.
Repeatable: No

MUSM 109 Recital Review (0 credits)
Hours: 0 classroom + 1 lab/studio
Taught: Fall and spring
Students majoring in music, unless excused by the Music Program Head, must register each semester for, and pass, MUSM 109. Course requirements are satisfied by certified attendance and review a minimum of 16 approved recitals/concerts per semester.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

MUSM 110 Introduction to Music Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Rudiments of music theory, including scales, key signatures, intervals, triads, and an introduction to harmonic analysis. For students with limited background in music.
Repeatable: No

MUSM 111 Music Theory I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Adequate score on music theory placement test, or C or better in MUSM 110.
Taught: Fall and spring
Basic vocabulary of music and its application to harmony, counterpoint, and analysis.
Repeatable: No

♦

MUSM 112 Music Theory II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 111.
Taught: Fall and spring
Continuation of MUSM 111. Introduction to chromatic functions; secondary dominants and modulation.
Repeatable: No

♦

MUSM 122 Aural Skills I (1 credit)
Hours: 0 classroom + 3 lab/studio
Taught: Fall and spring
Sight-singing and dictation. Rhythmic subdivisions. Tonic, dominant, and subdominant triads in root position and first inversion.
Repeatable: No

MUSM 124 Aural Skills II (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 122.
Taught: Fall and spring
Sight-singing and dictation. Common cross-rhythms. All diatonic triads and the dominant seventh.
Repeatable: No

♦

MUSM 132 Class Piano I (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Restricted to MUSIC majors or minors or permission of instructor.
Taught: Fall and spring
Group instruction in piano; development of reading, technique, and functional skills helpful for elementary school teachers and others majoring in music.
Repeatable: No

MUSM 134 Class Piano II (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 132.
Taught: Fall and spring
Continuation of MUSM 132.
Repeatable: No

♦

MUSM 140 Introduction to Music History (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall
Study of music in cultural and historical perspectives. Explores a broad array of classical and vernacular traditions from throughout the world with the goal of formulating and answering questions

about music's nature and use in diverse times and places. Develops essential skills for thinking and writing critically about music-related subjects.
Repeatable: No

MUSM 194 Music: Experimental (1 credit)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Repeatable: No

MUSM 211 Music Theory III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 112.
Taught: Fall and spring
Continuation of MUSM 112. Advanced contrapuntal and harmonic vocabulary and techniques.
Repeatable: No
♦

MUSM 212 Music Theory IV (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 211.
Taught: Fall and spring
Twentieth-century musical techniques approached through analysis and composition.
Repeatable: No
♦

MUSM 222 Aural Skills III (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 124.
Taught: Fall and spring
Sight-singing and dictation. Secondary rhythmic subdivisions. Secondary dominants, and modulations to closely related keys.
Repeatable: No
♦

MUSM 224 Aural Skills IV (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 222.
Taught: Fall and spring
Sight-singing and dictation. Secondary dominants. Asymmetrical meters. Church modes. Modulation.
Repeatable: No
♦

MUSM 232 Class Piano III (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 134.
Taught: Fall and spring
Continuation of MUSM 134.
Repeatable: No
♦

MUSM 234 Class Piano IV (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 232.
Taught: Fall and spring
Continuation of MUSM 232.
Repeatable: No
♦

MUSM 241 History of Music I: Antiquity through Early Baroque (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Music in western civilization from the earliest sources to the late 17th century. (ca. 1680)
Repeatable: No

MUSM 242 Survey of Western Music I (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112 and *MUSM 140* both with C or better
Taught: Spring only
This course surveys the development of Western music from antiquity to the late eighteenth century (ca. 1770), focusing on art music traditions from Europe and the Americas. The discussion includes readings and videos to illustrate progressive trends in notation, polyphony, and harmony, during the Middle Ages, Renaissance and Baroque eras.
Repeatable: No

MUSM 251 Yoga for Creativity (2 Credits)
Hours: 0 classroom + 2 lab/studio
Taught: Spring only
Kripalu yoga techniques used as a means for students to realize their full creative potential.
Repeatable: No

MUSM 261 Applied Methods and Materials: Brass (1 credit)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Pre-Music Education or Music Education
Taught: Spring only
Class instruction in performance and pedagogy. Majors only.
Repeatable: No
♦

MUSM 262 Applied Methods and Materials: Woodwinds (1 credit)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Pre-Music Education or Music Education
Taught: Fall only
Class instruction in performance and pedagogy. Majors only.
Repeatable: No
♦

MUSM 263 Applied Methods and Materials: Strings (1 credit)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Pre-Music Education or Music Education
Taught: Fall only
Class instruction in performance and pedagogy. Majors only.
Repeatable: No
♦

MUSM 264 Applied Methods and Materials: Percussion (1 credit)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Pre-Music Education or Music Education
Taught: Spring only
Class instruction in performance and pedagogy. Majors only.
Repeatable: No
♦

MUSM 271 Group Jazz Piano I (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 134.
Taught: Fall only-even years
Introduction to jazz harmony and jazz piano skills.
Repeatable: No
♦

MUSM 272 Group Jazz Piano II (1 credit)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): C or better in MUSM 271.
Taught: Spring only- odd years
Advanced study in jazz harmony and jazz piano skills.
Repeatable: No
♦

MUSM 273 Jazz Improvisation I (2 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only-odd years
Application of jazz vocabulary and melodic constructs within the jazz repertoire; ear training through transcription of solos; and memorization of standard jazz repertoire.
Repeatable: No

MUSM 274 Jazz Improvisation II (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MUSM 273.
Taught: Spring only-even years
Continued study of the tools of jazz improvisation; application and study of Bebop vocabulary; transcription of Bebop and Hard Bop solos; memorization of solos.
Repeatable: No
♦

MUSM 296 Piano Proficiency (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite OR Co-requisite: MUSM 234
Taught: Fall and spring
All students majoring in music must pass a piano proficiency examination to qualify for graduation for all degree programs.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

MUSM 305 Ensemble Accompanying (2 credits)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): Pre-Music Education or Music Education Consent of instructor accompanying ensembles.
Taught: Fall and spring
Majors only.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSM 309 Introduction to Music Education (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 104 or EDU 104; 48 semester hours as specified in the curriculum contract; at least 2.75 GPA; completion of pre-music curriculum required.
Taught: Spring only
Students examine the teaching profession and schooling as it currently functions in America. Emphasis on the Kentucky Education Reform Act, educational theory, and educational practice. Provides music education majors an overview of the total school music program. Observation and clinical experience required.
Repeatable: No
♦

MUSM 311 Form and Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 212 and MUSM 222.
Taught: Fall only
Harmonic, contrapuntal, and formal procedure in works of major composers; techniques of musical analysis.
Repeatable: No
♦

MUSM 312 Computer Applications for Musicians (1 credit)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 110 or MUSM 111
Prerequisite OR Co-requisite: MUSM 111
Co-requisite(s): MUSM 111
Taught: Fall and spring
Introduction for music majors to basic computer skills and terminology. Basics of digital and analog recording, audio file formats, microphone types. Basic working knowledge of technology widely used in the field of music including digital audio workstations, MIDI sequencers, music notation programs, and video editing software.
Repeatable: No
♦

MUSM 313 Orchestration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112.
Taught: Fall only-even years
Instrumentation and scoring for orchestral choirs and full orchestra.
Repeatable: No
♦

MUSM 315 Materials and Techniques of Music Composition (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112.
Taught: Fall only-odd years
Exploration of the compositional techniques, resources, and technologies available to composers today; concentration on creative and analytical projects.
Repeatable: No
♦

MUSM 316 Counterpoint (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 212.
Taught: Fall only-odd years
Study and imitation of contrapuntal techniques and styles

throughout music history, with particular focus on late Renaissance and late Baroque counterpoint.
Repeatable: No

♦

MUSM 331 Keyboard Literature I (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 241 and MUSM 242.
Taught: Fall only-odd years
Keyboard literature and its development from early keyboard literature through the First Viennese School; performance practices, interpretation, and styles; discussion of select chamber music, song cycles and concerto repertoire
Repeatable: No

♦

MUSM 332 Keyboard Literature II (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 331.
Taught: Spring only-odd years
Keyboard literature and its development from Schubert through current living composers; performance practices, interpretation, and styles; discussion of select chamber music, song cycles and concerto repertoire.
Repeatable: No

♦

MUSM 334 Basic Piano Pedagogy (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): MUSA 120 or permission of the instructor.
Taught: Fall only, even years
Beginning levels for Preschool and Elementary level students; philosophies and methods as applied to primary grade children, teenagers and adults; elementary keyboard technique; musicianship; survery of teaching materials and appropriate music for beginning studnets; business procedures for the independent music studio.
Repeatable: No

♦

MUSM 335 Advanced Piano Pedagogy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 334 or permission of the instructor
Taught: Fall only-odd years
Intermediate through advanced levels; creative practicing; piano technique; survery of materials and literature beyod the method books; creative business procedures for the independent music studio, programming ideas to maintain interest in the studio; students with special needs
Repeatable: No

♦

MUSM 341 Vocal Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 241-MUSM 242 or consent of instructor.
Taught: Fall only-odd years
Solo song repertoire of western world from the troubadours to the present; style, interpretation, and program building.
Repeatable: No

♦

MUSM 342 Choral Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 242.
Taught: Variable, check with department
Choral literature from 1450 to the present; stylistic traits, types of compositions; aesthetic considerations.
Repeatable: No

♦

MUSM 343 Opera Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Repeatable: No

MUSM 344 Lyric Diction I (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): MUSM 110 or MUSM 111.
Taught: Spring only-even years
A phonetic study of Italian, English, and Spanish as utilized by the singer. Readings and performances of song lyrics.
Repeatable: No

♦

MUSM 345 Lyric Diction II (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): MUSM 344.
Taught: Fall only-even years
A phonetic study of German and French as utilized by the singer. Readings and performances of song lyrics.
Repeatable: No

♦

MUSM 351 Commercial Music Production I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 312.
Taught: Spring only
Introduces the student to the working environment of an audio engineer in the commercial music industry focusing on both live and studio installations; introduces and applies basic hardware and software tools of the industry while discussing roles and responsibilities of music producers and engineers from idea inception to finished product.
Repeatable: No

♦

MUSM 352 Commercial Music Production II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 351.
Taught: Fall
An in-depth, project-oriented class designed to give the student intensive exposure to the creative and technical issues involved in advanced music production. Topics include microphone placement and choice, use of analog effects, plug-ins, arranging for pop ensembles, managing personnel and overseeing large tracking sessions..
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSM 353 Survey of Western Music II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112
Taught: Fall only
This course surveys the development of Western music from 1770 to the present, focusing on art music traditions from Europe and the Americas. The discussion includes readings and videos to illustrate progressive trends in form, orchestration, and tonality, progressing from the Classical through Romantic Eras and into the 20th/21st Century.
Repeatable: No
♦

MUSM 360 General and Vocal Music P-8 (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 309, EDU 311 and Passing of Music Education Four Semester Check.
Taught: Fall only
Rhythm band and Orff instruments; review of teaching methods, review of materials in music series, methods and objectives for each grade level, KERA policies and procedures.
Repeatable: No
♦

MUSM 361 Teaching Choral Music: Middle Grades (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 311 and C or better in MUSM 365 and Passing of Music Education Four Semester Check.
Taught: Spring only
This course integrates formal knowledge in the university classroom with field experiences in order to prepare pre-service music educators to teach grades 6-8 choral music students in their first two years of a vocal music class.
Repeatable: No
♦

MUSM 362 Teaching Choral Music: Secondary (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 311 and C or better in MUSM 365 and Passing of Music Education Four Semester Check.
Taught: Fall only
This course is designed to prepare choral-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and maintain a comprehensive choral music program at the secondary level.
Repeatable: No
♦

MUSM 363 Teaching Instrumental Music: Middle Grades (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 311 and C or better in MUSM 365 and Passing of Music Education Four Semester Check.
Taught: Spring only
This course integrates formal knowledge in the university classroom with field experiences in order to prepare pre-service music educators to teach 6-8 instrumental music students in their first two years of instrumental music class.
Repeatable: No
♦

MUSM 364 Teaching Instrumental Music: Secondary (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 311 and C or better in MUSM 365 and Passing of Music Education Four Semester Check.
Taught: Fall only
This course is designed to prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and maintain a comprehensive instrumental music program at the secondary level.
Repeatable: No
♦

MUSM 365 Conducting I (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 111.
Taught: Fall only
Introduction to the craft of conducting. Beat patterns, left hand, entrances, releases, dynamics, terminology, styles of articulation, and baton technique. Instrumental and choral music.
Repeatable: No
♦

MUSM 366 Conducting II (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): C or better in MUSM 365 or consent of instructor.
Taught: Spring only
Continued refinement of skills developed in MUSM 365; score study techniques, terminology, and transposition.
Repeatable: No
♦

MUSM 367 Marching Band Techniques (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 212.
Taught: Fall only-odd years
Survey of organizational and instructional issues relating to teaching marching band.
Repeatable: No
♦

MUSM 371 Jazz & Commercial Music Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112 with a C or better.
Taught: Fall only-even years
Fundamentals of jazz and commercial music theory, including chord and scale nomenclature, common progressions, forms, and reharmonization.
Repeatable: No
♦

MUSM 373 Jazz Arranging I (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 112 with a C or better.
Taught: Fall only-odd years

Study of basic harmonic and melodic analysis, chord construction, rhythms, chord/scale relationships, nomenclature, and voice leading in the jazz idiom.
Repeatable: No

♦

MUSM 374 Jazz Arranging II (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 373.
Taught: Spring only-even yrs
Advanced concepts of jazz theory, composition, and arranging.
Repeatable: No

♦

MUSM 375 History of Jazz (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 353.
Taught: Spring only-odd yrs
Overview of the major stylistic periods of jazz from its origins through the late 1970's.
Repeatable: No

♦

MUSM 380 Music Composition for Commercial Media (3 credits)
Hours: 3 classroom +0 lab/studio
Prerequisite(s): MUSM 381 or MUSM 351
Taught: Spring only-even years
Project-based course that allows for creative application of music technology to various media including corporate/training videos, documentaries, film, gaming, televisions, and other visual media.
Repeatable: No

♦

MUSM 381 Music Technology I (3 credits)
Hours: 3 classroom +0 lab/studio
Prerequisite(s): MUSM 312.
Taught: Fall only
Introduction to essential terminology and industry-standard tools for audio music creation and editing. To develop critical listening skills, familiarizes students with digital audio workstations (DAWs), MIDI sequencers, VST plug-ins, and virtual instrument technologies in both recording and composing applications.
Repeatable: No

♦

MUSM 382 Music Technology II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 381.
Taught: Spring only-even years
Builds upon concepts from MUSM 381 with specific attention to the integration of audio and video in audio production and/or music composition. Students learn basics of time-code, issues related to post-production, foley, ambience, and sound design. Students have the opportunity to study film/video scoring, and issues specific to video editing.
Repeatable: No

♦

MUSM 383 Mixing Techniques I (3 credits)
Hours: 3 classroom +0 lab/studio
Prerequisite(s): MUSM 351 or MUSM 381
Taught: Spring only
The course covers more advanced application of current hardware and software technologies in integrated analog/digital studio environments. Course topics include system set-up and interconnections, file management, system synchronization; aspects of digital recording consoles/mixers, paged architecture, I/O , word clock, sample rate, bit depth, and more advanced applications of DAW technology.
Repeatable: No

♦

MUSM 384 Mixing Techniques II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 383.
Taught: Fall only
Builds upon knowledge of MUSM 383 and includes continued study of core techniques with increased attention to post production, mastering, and developing critical listening and aesthetic consideration.
Repeatable: No

♦

MUSM 394 Special Topics in Music (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or consent of instructor.
Taught: Fall and spring
In-depth study of specialized topics in music. May be repeated for credit up to 9 semester hours when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

MUSM 399 Independent Study: Music (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Fall and spring
Individual creative or research projects; projects, directed by members of the faculty, must be approved before registration.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

MUSM 441 Vocal Pedagogy (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): 4 semester hours of MUSA 140.
Taught: Fall only-even years
Directed readings, discussions and evaluations of vocal pedagogical philosophies; studies of the teaching materials and physical and psychological problems in the teaching of voice; observation of voice lessons and supervised teaching.
Repeatable: No

♦

MUSM 471 Jazz Styles and Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 274, MUSM 374, MUSM 375, and 8 semester hours of MUSA courses.
Taught: Fall only-odd years
Capstone course utilizing information from previous courses to better understand the social, musical, and cultural implications of jazz.
Repeatable: No
♦

MUSM 472 Jazz Pedagogy (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MUSM 375.
Taught: Spring only-odd years
An in depth study of the techniques, processes, and management of a jazz program in the school setting.
Repeatable: No
♦

MUSM 487 Advanced Music Production (3 credits)
Hours: 3 classroom +0 lab/studio
Prerequisite(s): MUSM 380
Taught: Variable, check with department
The course is an intensive, project-oriented audio production course requring more advanced audio production skills. Topics will include recording audio for video, applied media aesthetics, sound design, and various post-production techniques.
Repeatable: No
♦

MUSM 496 Senior Capstone (0-4 credits)
Hours: 0 classroom + 0-4 Lab Hours
Prerequisite(s): MUSA 296.
Taught: Variable, check with department
Bachelor of Arts majors only. An independent project under close supervision of a faculty member: a recital, an internship, a research paper, a creative project, or a collaboration. A proposal must be approved by the department chair and three full-time faculty including the project supervisor by midterm of the preceding semester.
Repeatable: No
♦

NEUROSCIENCE

NEU 101 Neuroscience for Life: Sex to Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
A transdisciplinary course that covers the fundamental principles of neuroscience and their applications to critical and current issues in interpersonal relationships and society. Case studies will be drawn from a multitude of disciplines such as marketing, communications, political science, sports, law, and education. GENERAL EDUCATION: Individual & Society.
Repeatable: No

NEU 301 Neuroanatomy (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 151 or PSY 100.
Co-requisite(s): NEU 301L.

Taught: Fall only-odd years
Functional and anatomical organization of the nervous system covering classic animal models in neuroscience as well as the human brain. Discussion of techniques used to identify cells and tissues of the nervous system.
Repeatable: No
♦

NEU 301L Neuroanatomy Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BIO 151 and PSY 100.
Co-requisite(s): NEU 301.
Taught: Fall only-odd years
Laboratory to accompany NEU 301.
Repeatable: No
♦

NEU 302 Neurosignaling (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 151 or PSY 100.
Co-requisite(s): NEU 302L.
Taught: Fall only-even years
Overview of electrical and chemical signaling in the nervous system with an emphasis on neurotransmitters and hormones in mammalian systems. Will cover autocrine, paracrine and endocrine signaling. Stimuli and response mechanisms.
Repeatable: No
♦

NEU 302L Neurosignaling Laboratory (0 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BIO 151 or PSY 100.
Co-requisite(s): NEU 302.
Taught: Fall only-even years
Laboratory to accompany NEU 302.
Repeatable: No
♦

NEU 401 Brain, Behavior and Immunity (4 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NEU 301 or NEU 302 or PSY 311 or BIO 349
Co-requisite(s): NEU 401L
Taught: Fall only-even years
Students will examine interactions among the nervous, immune, and endocrine systems, and the consequences of these interactions for health and behavior. The critical role of the immune system in brain development and early-life inflammatory events in the etiology of psychopathology (autism, schizophrenia), and neurodegenerative conditions (Parkinson's, Alzheimer's) will be highlighted.
Repeatable: No

NEU 401L Brain, Behavior and Immunity Lab (0 credits)
Hours: (0 classroom + 3 lab/studio)
Co-requisite(s): NEU 401
Taught: Fall only, even years
Laboratory course to accompany NEU 401. Students will gain skills in data collection and analysis prior to designing and conducting a

novel experiment related to brain-immune-endocrine interactions.
Repeatable: No

♦

NEU 491 Neuroscience Capstone (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Permission of neuroscience program director.
Taught: Fall and spring
The Neuroscience capstone allows students to submit documentation of their experiential learning experience for program certification and requires the submission of a program reflection.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NEU 492 Neuroscience Research (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 291W and permission of instructor.
Taught: Fall, spring, summer
Development and completion of a neuroscience research project chosen in consultation with instructor. Final project report is required. For students majoring or minoring in neuroscience.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NEU 493 Neuroscience Seminar (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): PSY 311 or consent of instructor.
Taught: Spring only
Serves as a capstone experience for students in the neuroscience minor and major. Readings and discussions directed at large-scale issues in neuroscience, typically achieved through review of the current literature. Intended to stimulate critical thinking and integration of material learned in earlier courses in the neuroscience minor and major.
Repeatable: No

♦

NEU 494 Special Topics in Neuroscience (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 291W.
Taught: Variable, check with department
In-depth study of specialized topic in neuroscience. May be repeated for credit once if the topic is different.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NEU 495 Neuroscience Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): BIO 291W and permission of program director.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NEU 496 Neuroscience Internship (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 291W and permission of Neuroscience Program Director.
Taught: Fall, spring, summer
Experiential learning at institutions, universities, or businesses specializing in neuroscience or its applications. Open only to students majoring or minoring in Neuroscience.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NEU 499 Independent Study in Neuroscience (1-3 credits)
Hours: 0 classroom + 3-9 lab/studio
Prerequisite(s): BIO 291W and permission of Neuroscience program director.
Taught: Fall, spring, summer
Independent study in neuroscience. Student will work with a faculty mentor on an experiential learning experience applying the techniques and methods of neuroscience to address a specific problem in the field.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NURSING BACCALAUREATE

NRS 201 Transition to Nursing (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
Interactive course providing students opportunity to explore concepts and strategies supporting adaptation and successful transitioning into the baccalaureate nursing program.
Repeatable: Yes
If Repeatable, Max. Credits: 1

NRS 210L Development of Clinical Nursing Skills (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): BIO 209, BIO 209L, BIO 126, CHE 115, CHE 115L, PSY 321, and STA 205.
Prerequisite OR Co-requisite: BIO 202 and BIO 202L.
Co-requisite(s): NRS 215, NRS 215P, NRS 220 and NRS 220L.
Taught: Fall and spring
Active learning pedagogy of skills demonstration, supervised practice, simulation and skills testing for the acquisition of basic and complex nursing skills required for professional practice.
Repeatable: No

♦

NRS 215 Fundamental Concepts of Professional Nursing Practice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): BIO 209, BIO 209L, BIO 126, CHE 115, CHE 115L and

PSY 321.
Co-requisite(s): NRS 210L and NRS 215P.
Taught: Fall and spring
Introduction to the nursing process, foundational nursing concepts, and theories relevant to the implementation of nursing care and health promotion to clients across the lifespan.
Repeatable: No
♦

NRS 215P Fundamentals of Professional Nursing Practicum (3 credits)
Hours: 0 classroom + 6 lab/studio
Prerequisite(s):
Co-requisite(s): NRS 215.
Taught: Fall and spring
Application of foundational concepts and theories necessary for the care of clients in acute care, long-term care, and community-based settings.
Repeatable: No
♦

NRS 220 Holistic Health Assessment of the Adult (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): BIO 209, BIO 209L, BIO 126, CHE 115, CHE 115L and PSY 321.
Co-requisite(s): NRS 220L.
Taught: Fall and spring
Principles of assessment of existing or potential client problems Physical condition, psychological status, development level, sociocultural- economic history with the goal of planning nursing care.
Repeatable: No
♦

NRS 220L Holistic Health Assessment Laboratory (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): BIO 209, BIO 209L, BIO 126, CHE 115, CHE 115L and PSY 321.
Co-requisite(s): NRS 220.
Taught: Fall and spring
Application of holistic health assessment techniques in the laboratory setting.
Repeatable: No
♦

NRS 250 Introduction to Medical-Surgical Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 215 and NRS 220.
Co-requisite(s): NRS 255 and NRS 250P.
Taught: Fall and spring
Concepts and theories needed to support adaptation of clients requiring multiple nursing interventions for health maintenance and for commonly occurring alterations in health status.
Repeatable: No
♦

NRS 250P Introduction to Medical-Surgical Nursing Practicum (4 credits)
Hours: 0 classroom + 8 lab/studio
Co-requisite(s): NRS 250 and NRS 255.
Taught: Fall and spring
Application of theoretical concepts in the delivery of nursing care for adult clients.
Repeatable: No

NRS 255 Pathopharm Concepts and Principles (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): NRS 215 and NRS 220.
Co-requisite(s): NRS 250 and NRS 250P.
Taught: Fall and spring
Pathophysiological and pharmacological concepts essential for understanding and treating alterations in organ and system function basic to nursing practice.
Repeatable: No
♦

NRS 275 Remediation of Intro Nursing Concepts (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): NRS 215
Co-requisite(s): NRS 250
Taught: Fall and spring
Required course for traditional students who score below the benchmark score of 900 on the fundamentals specialty exam (V1 and V2), which consists of guided remediation of prior curricular content.
Repeatable: Yes
If Repeatable, Max. Credits: 3

NRS 299 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Admission to the BSN program and consent of instructor.
Taught: Fall and spring
Individual readings, research, and/or projects relating to professional nursing practice and developed by students in consultation with faculty prior to registration; written agreement to include purpose, objectives, instructional activities, time frame, and evaluation method. Not intended to substitute for any course offered on a regular basis. Applicable for lower division credit only.
Repeatable: No
♦

NRS 310 Concepts of Community and Public Health Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 250.
Co-requisite(s): NRS 310P, NRS 330 and NRS 339L.
Taught: Fall and spring
Principles of population based nursing care in community settings, health promotion, health education, epidemiology, community health problems, health policy and advocacy.
Repeatable: No
♦

NRS 310P Concepts of Community and Public Health Nursing Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 310.
Taught: Fall and spring

Serving in a variety of community agencies, the health status of diverse client groups, who are defined as at risk groups, are evaluated and health needs met through a population assessment, teaching, screening and evaluation of community health.
Repeatable: No

NRS 330 Principles of Psychiatric and Mental Health Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 250 and NRS 255.
Co-requisite(s): NRS 310 and NRS 330P.
Taught: Fall and spring
Concepts and theories to support nursing practice across the lifespan along the mental health continuum for all.
Repeatable: No
♦

NRS 330P Psychiatric and Mental Health Nursing Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 330.
Taught: Fall and spring
Application of concepts and theories to support nursing practice across the lifespan along the mental health continuum for all.
Repeatable: No

NRS 339L Clinical Reasoning I (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): NRS 250.
Co-requisite(s): NRS 310 and NRS 330.
Taught: Fall and spring
Clinical reasoning and judgment are examined in relation to other modes of thinking used in providing quality health care. Students will be expected to demonstrate how safe, high-quality care can be dependent upon their ability to reason, think, and make evidence-based decisions.
Repeatable: No
♦

NRS 350 Intermediate Medical-Surgical Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 310, NRS 315 , NRS 320 .
Co-requisite(s): NRS 350P, NRS 360 and NRS 370 .
Taught: Fall and spring
Concepts and theories to support adaptation of clients requiring multiple nursing interventions.
Repeatable: No
♦

NRS 350P Intermediate Medical-Surgical Nursing Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 350.
Taught: Fall and spring
Application of concepts and theories needed to support adaptation of adults requiring multiple nursing interventions in acute care settings.
Repeatable: No

NRS 360 Principles of OB and Newborn Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 310 and NRS 330.
Co-requisite(s): NRS 350 and NRS 370 .
Taught: Fall and spring
Explores the cultural and nutritional aspects; communication techniques, pharmacotherapy, teaching and learning concepts, and nursing roles involved in health promotion, protection and crisis management of the childbearing client and family.
Repeatable: No
♦

NRS 360P Principles of OB and Newborn Nursing Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 360.
Taught: Fall and spring
Application of concepts of health promotion and crisis management in the care of childbearing families.
Repeatable: No

NRS 365 Foundations of Nursing Scholarship (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): STA 205 *or STA 212*
Taught: Fall, spring, and summer
Overview of nursing theory and the research process and its role in evidence-based practice. Students will evaluate and integrate evidence from multiple sources to inform nursing practice and improve healthcare outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

NRS 400 Remediation of BSN Concepts I (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): NRS 350 and NRS 350P
Co-requisite(s): NRS 415 and NRS 439L
Taught: Variable, check with department
A systematic review of nursing concepts tailored to the aggregate results of the HESI Medical-Surgical (V1 and V2) results, This course is required for students that have scored less than 900 on the V1 and V2 Medical-Surgical specialty exam.
Repeatable: No
♦

NRS 401 HESI-RN Exit Test Preparation II (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): NRS 415, NRS 415P; HESI-RN Exit V1 score < 900
Co-requisite(s): NRS 450, NRS 465P.
Taught: Fall and spring
BSN Program remediation course that entails a systematic review of curriculum material tailored to individual reports from HESI-RN Exit V1 results. This course is required for all traditional BSN and ABSN students who did not achieve a benchmark score of 900 on the HESI-RN Exit V1.
Repeatable: No
♦

NRS 415 Principles of Pediatric Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 350 and NRS 360.
Prerequisite OR Co-requisite: INF 355.
Co-requisite(s): NRS 415P, NRS 425 , NRS 439L and NRS 460P .

Taught: Fall and spring
Concepts and theories to promote health and support care for children and families in pediatric settings.
Repeatable: No
♦

NRS 415P Pediatric Nursing Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 415.
Taught: Fall and spring
Application of concepts and theories in the care of children and their families.
Repeatable: No

NRS 425 Leadership Concepts in Nursing Practices (4 credits)
Hours: (4 classroom + 0 lab/studio)
Prerequisite(s): NRS 350 *and NRS 360*
Co-requisite(s): NRS 415 *and NRS 460P*
Taught: Fall and spring
Overview of nursing ethics, and professional standards as they apply to the practice of nursing. Students will analyze the role of the professional nurse as leader in the profession and healthcare delivery. The focus is nursing leaders as vanguards of the profession of nursing.
Repeatable: Yes
If Repeatable, Max. Credits: 4

NRS 439L Clinical Reasoning II (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): NRS 350 and NRS 360.
Co-requisite(s): NRS 415 and NRS 420 .
Taught: Fall and spring
Advanced application of clinical reasoning to integrate simulated patient scenarios. Assessment and analysis of the scenario, and implementation and evaluation; planning decisions will be critiqued in relation to their theoretical accuracy and patient care priorities.
Repeatable: No
♦

NRS 440P Nursing Capstone 1 (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): NRS 350 and NRS 360.
Co-requisite(s): NRS 415 and NRS 420 .
Taught: Fall and spring
Under close faculty guidance the student will be placed with a clinical preceptor to: (1) conduct a needs assessment within their identified clinical or community setting identifying a nursing problem; (2) develop a written proposal to address the problem; (3) implement the intervention in the chosen setting with the preceptor.
Repeatable: No
♦

NRS 450 Advanced Medical-Surgical Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 415.
Co-requisite(s): NRS 450P.
Taught: Variable, check with department
Concepts and theories needed to provide nursing care of people for prevention of and assistance with complex health problems.
Repeatable: No
♦

NRS 450P Advanced Medical Surgical Practicum (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): NRS 450.
Taught: Variable, check with department
This practicum emphasizes the utilization of theoretical concepts in the holistic management of clients and is designed to assist nursing students in the development of leadership and management skills.
Repeatable: No

NRS 460P Nursing Capstone Project (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): NRS 350, NRS 350P, NRS 360, NRS 360P, and NRS 365 .
Co-requisite(s): NRS 415P, NRS 425 , and NRS 439L.
Taught: Fall and Spring
An in-depth exploration of a topic of student's selection that addresses a healthcare related issue or opportunity related to the discipline of nursing while integrating and applying undergraduate nursing and applicable Foundation of Knowledge (FOK) courses.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NRS 465P Transition to the Professional Practice Role (4 credits)
Hours: 0 classroom + 8 lab/studio
Prerequisite(s): NRS 415.
Co-requisite(s): NRS 450 and NRS 450P.
Taught: Variable, check with department
Clinical practice for role of professional nurse in a supportive environment; opportunities to manage and prioritize care for groups of clients, increase clinical competence; delegate nursing care to other healthcare workers; discuss issues affecting healthcare/healthcare professionals.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

NRS 475 Remediation of BSN Concepts (2 Credits)
Hours: 4 classroom + 0 lab/studio - Last 7 weeks of the semester
Prerequisite(s): NRS 415
Taught: Fall and spring
BSN Program remediation course that provides a systematic

review of BSN nursing concepts in preparation for completion of the NCLEX-RN Exam.
Repeatable: No
Available High Impact Practices: collaborative learning

NRS 494 Special Topics: Bachelor of Science Nursing (0-4 credits)
Hours: 0-4 classroom+ 0-4 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various advanced topics in nursing.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NRS 499 Independent Study (0-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Admission to the BSN program and consent of the BSN Program Director.
Taught: Fall and spring
Individual readings, research, and/or projects relating to professional nursing practice and developed by students in consultation with faculty prior to registration; written agreement to include purpose, objectives, instructional activities, time frame, and evaluation method. Not intended to substitute for any course offered on a regular basis. Applicable for upper division credit only.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

NURSING REGISTERED PROFESSIONAL

NRP 399 Independent Study (1-3 credits)
Hours: NA classroom + NA lab/studio
Prerequisite(s): Consent of instructor and program director prior to registration.
Taught: Variable, check with department
Individual readings, research, and/or projects relating to professional nursing practice and developed by students in consultation with faculty prior to registration; written agreement to include purpose, objectives, instructional activities, time frame, and evaluation method. Not intended to substitute for any course offered on a regular basis.
Repeatable: No
♦

NRP 470 Role Transformation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to RNBSN program.
Taught: Variable, check with department
Concepts and theories providing the foundation for development of the registered nurse into the role of the professional baccalaureate prepared nurse.
Repeatable: No
♦

NRP 471 Concepts of Professional Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: NRP 470
Taught: Variable, check with department
Identifies the basis of nursing and inter-professional theories as they relate to the practice of professional nursing.
Repeatable: No
♦

NRP 472 Nursing Research and Evidence Based Practice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): STA 205.
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department
An introduction to nursing research focusing on the fundamentals of the research process, levels of evidence and quality of evidence for nursing practice.
Repeatable: No
♦

NRP 473 Quality Care for Vulnerable Populations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department
Overview of models and theories of vulnerability; focusing on social determinants of health, heath disparity, and culturally appropriate strategies to address the effects of vulnerability.
Repeatable: No
♦

NRP 474 Models of Care Delivery (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department
Explores models of care delivery related to health care quality measures, safety measures, and public policy in a variety of settings.
Repeatable: No
♦

NRP 475 Population Centered Health in the Community (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department
Explores global and community health concepts focusing on population bio-psyco-social and spiritual well-being. Strategies included for population health equity and the utilization of assets and resources to create an environment for health promotion.
Repeatable: No
♦

NRP 476 Impact of Genetics and Genomics on Health (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): BIO 202, BIO 202L, BIO 208, BIO 208L, BIO 209, and BIO 209L.
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department

Recognizes the relationship of genetics and genomics to the health and care of patient and families across the lifespan.
Repeatable: No

♦

NRP 477 Leadership in Nursing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: NRP 470.
Taught: Variable, check with department
Examines the foundations of leadership and management theories and concepts in a variety of healthcare settings.
Repeatable: No

♦

NRP 478 Nursing Leadership Practicum (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite OR Co-requisite: HIN 355, NRP 471, NRP 472, NRP 473, NRP 474, NRP 475, NRP 476, and NRP 477.
Taught: Variable, check with department
A culminating experience integrating knowledge from previous courses to design, implement and lead an interdisciplinary team project to improve outcomes in an appropriate health care or community - based setting.
Repeatable: No

♦

NRP 494 Topics: Special Topics in Nursing (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Permission of instructor.
Taught: Variable, check with department
This course is a special topics course of a current interest/issue in the field of nursing not covered in other nursing courses. The special topics for this class are selected from current topics in the field of nursing. Depending on the topic, the course may be a didactic or clinical practicum course.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

NRP 499 Independent Study in Nursing (1-3 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Admission to the RN to BSN program and consent of the program director.
Taught: Variable, check with department
Individual readings, research, and/or projects relating to professional nursing practice and developed by students in consultation with faculty prior to registration; written agreement to include purpose, objectives, instructional activities, time frame, and evaluation method. Not intended to substitute for any course offered on a regular basis. Applicable for upper division credit only.
Repeatable: No

♦

ORGANIZATIONAL LEADERSHIP

LDR 101 Leadership in Action - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring and summer
Introductory course that focuses on practical leadership applications to ever-changing, real-world situations.
Repeatable: No
General Education Credit: Individual and Society

LDR 160 Leadership Around the World - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
This course will explore the basic theories, trends, and practices for leadership from varying global perspectives. Leadership theories are often taught from a Western perspective. This course discusses these historical Western perspectives, while also introducing students to how leadership is viewed and practiced around the world.
Repeatable: No
General Education Credit: Global Viewpoints

LDR 180 Leading Social and Cultural Change - SB (3 credits)
Hours: (3 classroom + 0 lab/studio)
Taught: Fall, spring, and summer
This course examines foundational theories and practices of leadership used to bring about social and cultural change. Viewed through historical and contemporary lenses, students are introduced to common threads and unique differences of the leadership process involved in social and cultural change on local, national, and global levels.
Repeatable: No
General Education Credit: Cultural Pluralism

♦

LDR 205 Human Relations in Organizations (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Explores human relations concepts and promotes intrapersonal and interpersonal skill development for personal and professional growth. Students will gain an understanding of human and organizational behaviors and skills will be built in personal and group communication, conflict resolution, ethical use of power, diversity appreciation, motivation, networking, and structuring values.
Repeatable: No

LDR 300 Foundations of Leadership (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore Standing.
Taught: Fall, spring, and summer
This course introduces the fundamental concepts and foundational theories of leadership to facilitate the development of a personal understanding of the nature of leadership. The evolution of leadership theory and research is explored and its implications for understanding leadership as a phenomenon and the practice of leadership. Course encourages the application of learning to analysis of practical leadership problems and examples of leaders from diverse sectors such as business, nonprofit, government, social change, military, science, popular culture, and athletics.
Repeatable: No

♦

LDR 308 Leadership Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.

Taught: Fall, spring, and summer
This course focuses on concepts and skills for leadership development. Students examine organizational, leadership, and human development theories with consideration towards the application of knowledge and skills towards their personal leadership development and growth. Special focus placed on increasing the capacity of the individual to lead and develop others.
Repeatable: No
♦

LDR 310 Research Methods in Leadership (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing
Taught: Fall, spring, and summer
Explore theoretical and empirical concepts of research design and analysis for the field of leadership. Students learn to identify and interpret quality research in leadership. Specific focus is placed on scholarly writing, communication, and developing critical analysis and thinking skills to become good consumers of social science research.
Repeatable: No
♦

LDR 315 Leading People in Organizations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course discusses the core to every organization-its people. Specific focus on interface between humans and organizations, ethical and legal responsibilities, attracting, developing, and retaining organizational members with competencies for success in global, virtual, diverse, and innovative organizations. Other themes: leader's role in championing continuous learning/development, forming psychological contracts.
Repeatable: No
♦

LDR 320 Leading with Emotional Intelligence (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course discusses leadership through the lens of Emotional Intelligence (EI). EI is the capacity to recognize and effectively manage emotions in ourselves and with others. Topics covered include developing effective self and social awareness, and management via EI. Application of EI in the organizational environment.
Repeatable: No
♦

LDR 330 Budgeting for Leaders (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course explores the importance of understanding and creating budgets. Leaders learn to summarize and influence an organization's decisions through budgeting practices, track, and manage expenditures. Topics explored and interpreted include budget terminology, budget purpose, and budget presentation. Focus placed on various budget types: personal, production, project, and government.
Repeatable: No
♦

LDR 335 Lessons in Leadership (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course exposes students to various public/private leadership figures invited to share their own experiences and discuss leadership issues, which are compared and contrasted with leadership scholarship. Topics covered include the role of influence, power, relationships, communication, the external environment, decision making, and valuing diversity in the leadership process.
Repeatable: No
♦

LDR 381 Organizational Ethics and Decision Making (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall, spring, and summer
This course encourages analysis of the fundamental role of ethics in leadership and decision making. The ethical challenges confronted by leaders and the influence of personal values are examined. The course emphasizes personal ethical development including self-awareness, ethical decision making skills, and understanding diverse perspectives and group decision making.
Repeatable: No
♦

LDR 382 Organizational Theory and Change (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall, spring, and summer
Contemporary theory on the leadership of organizational change, including best practices for implementing change, and assuring that change will be successful.
Repeatable: No
♦

LDR 385 Teamwork in Organizations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall, spring, and summer
This course focuses on the dynamics of teamwork. Roles and qualities of team leaders and team players will be discussed, along with attributes and behavior of teams. Special focus will be placed on problem solving in a team environment, diverse teams, and virtual teamwork.
Repeatable: No
♦

LDR 392 Research in Organizational Leadership (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Permission of instructor.
Taught: Fall and Spring
Student will conduct original investigation of selected field specific topics chosen in consultation with instructor.

Repeatable: Yes
If Repeatable, Max. Credits: 6

LDR 394 Special Topics in Leadership (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Specialized topics of current interest to students of leadership and the organizational leadership community. Topics for current offerings are listed in the Schedule of Classes. May repeat up to 12 hours if topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

LDR 396 Leadership Practicum (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Restricted to Organizational Leadership Majors and Minors. Department permission required.
Taught: Variable, check with department
Supervised application-based work experience related to Organizational Leadership. Educational component coordinated among organization, student, and faculty. Minimum of 20 hours on the job per week for three credit hours. Variable credit hours from one to six; can repeat for a total of up to twelve credits with program coordinator permission.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

LDR 399 Independent Study: Organizational Leadership (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Department Permit.
Taught: Fall, spring, and summer
Individualized study of a special topic under supervision of a faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

LDR 460 Leading in Diverse and Global Contexts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course explores leading in both diverse and global environments by examining issues including, but not limited to ethnicity, sexual orientation, class, ability, gender, identity, prejudice, power, privilege, and worldview, along with issues related to intercultural leadership and communication. Students build competencies for leading in diverse and global contexts.
Repeatable: No
♦

LDR 480 Organizational Leadership Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing and LDR 310; restricted to Organizational Leadership majors.
Taught: Fall, spring, and summer
Culminating learning experience for organizational leadership program. Students investigate and analyze trends and research in leadership and organizational dynamics to refine their understanding of leadership for today's organizations and prepare for future adaptation. Emphasis on critical and creative thinking, lifelong learning/development for leaders and development and sustainability of organizations.
Repeatable: No
♦

LDR 495 Study Abroad in Org Leadership (1-15 credits)
Hours: 1-15 classroom + 0 lab/studio
Prerequisite(s): Department Permit.
Taught: Variable, check with department
An opportunity for students to engage in one or more officially-sponsored and/or program-approved Organizational Leadership courses abroad, ranging from one week to an entire semester. Program permission is required. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

LDR 496 Internship in Organizational Leadership (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s):

Sophomore standing.
Min. 2.00 GPA.
Department permission required.
Successfully completed at least 6 credit hours of organizational leadership courses before the semester the internship is scheduled.

Taught: Variable, check with department
Students may enroll for real-world experiential credit with public or private organizations. Academic credits are awarded on a variable scale, based on work hours. Students may enroll in between one to six credit hours in a semester; can repeat for a total of up to twelve credits with department permission.
Repeatable: Yes
If Repeatable, Max. Credits: 12

PHILOSOPHY

PHI 110 Philosophy, Individuals and Society - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
In Philosophy, Individuals and Society students explore a variety of philosophical views about the nature of individuals, social structures and the relationships between them. Students will critically examine different philosophical perspectives and theories that arise from questions about human nature, personal identity,

free will and moral responsibility, the nature of mind, and the ethical, social and political dimensions of human existence.
Repeatable: No
General Education Credit: Individual and Society

PHI 165 Introduction to Logic (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Methods and principles used to distinguish valid from invalid forms of argumentation in deductive and inductive reasoning; syllogisms, dilemmas, truth tables, and the scientific method.
Repeatable: No

PHI 181 Philosophers, Cultures and Creativity - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Exploration of significant philosophers, their methods of inquiry and philosophical texts and their impact on various cultures in terms of science, ethics, politics, art and theology as well as how these areas influenced and shaped philosophical thinking, other individuals and cultures as well.
Repeatable: No
General Education Credit: Culture and Creativity

PHI 200 Introduction to Ethics - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
This course is a philosophical examination of pluralistic viewpoints on individual and social ethical responsibilities in the global world. The development of a rational approach to ethical inquiry; alternative ethical systems may be evaluated along with a number of other ethical issues relating to social, political, legal, or religious matters.
Repeatable: No
General Education Credit: Global Viewpoints

PHI 220 Health Care Ethics - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Ethical decision making and problems of contemporary health care in multicultural perspectives; abortion, euthanasia, population and behavior control; informed consent and counseling; professional codes and personal freedom; mental health and personal autonomy; justice and equality in health care; ethical conflicts in health service work; death and dying.
Repeatable: No
General Education Credit: Global Viewpoints

PHI 222 Ethics Bowl (0-1 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Fall
Intercollegiate Ethics Bowl competition. Teams debate cases drawn from a wide range of disciplines, including but not limited to, business, engineering, journalism, law, medicine, and social work. Students learn the facts and ethical issues involved and present a solution able to withstand challenges from the opposing team and judges.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

PHI 265 Logic - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
An introduction to the methods of formal deductive logic, with an examination of its relationship to areas such as mathematics, computer science, and legal reasoning. Students will learn the language and rules of formal logic, as well as techniques of formal proof.
Repeatable: No
General Education Credit: Mathematics
♦

PHI 281 Careers and Philosophy (0 credits)
Hours: (0 classroom + 0 lab/studio)
Taught: Spring only
Professional development assessment; investigation of careers and philosophy; planning and decision-making skills regarding future careers.
Repeatable: No
♦

PHI 292 Research Experience in Philosophy (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of the instructor.
Taught: Fall, winter, and spring
Introduction to research in the philosophy by participating in a special project or original research directed by a member of the philosophy faculty. Course intended for philosophy majors not ready or able to enroll in more advanced research courses.
Repeatable: Yes
If Repeatable, Max. Credits: 0

PHI 300 Ethics and Social Responsibility (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Examines the scope and complexity of responsibility in personal, social and professional contexts. An intensive exploration of ethical principles that guide responsible decision-making in human interaction. Topics include the nature of goodness, the rational thing to do, moral obligations, rational resolution of moral conflicts and disagreements.
Repeatable: No
♦

PHI 302 Ethics and Scientific Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Ethical, legal, and public policy issues stemming from scientific research, including medical, psychological, and sociological; topics may include animal and human experimentation, informed consent, privacy, confidentiality, government regulations, freedom of inquiry and censorship, the moral responsibility of scientists, and research integrity.
Repeatable: No
♦

PHI 305 Existentialism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Meaning, freedom, responsibility, communication, creativity, and value in the works of thinkers such as Kierkegaard, Nietzsche, Heidegger, Sartre, Camus, DeBeauvoir, and others; critique of traditional notions of mind versus body, reason, truth, self-identity, language, and time.
Repeatable: No
♦

PHI 306 Philosophy and Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Philosophical issues in science; the nature of scientific explanation; science and pseudoscience; growth of scientific knowledge; Kuhn, Popper, Feyerabend, and others.
Repeatable: No
♦

PHI 308 Professional Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Exploration of unique ethical issues and obligations attached to professional roles. Topics include definition of a "profession"; special roles and ethical responsibilities of professionals; theories and processes of ethical decision-making; approaches to ethical dilemmas in professional fields; professional codes; corporate personhood; the rights and responsibilities of employers, employees, and consumers.
Repeatable: No
♦

PHI 309 Global Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Ethical Issues in international context. Topics may include human rights; religious and cultural pluralism; global health; climate change and environmental responsibility; responsibility toward future generations; economic inequality; hunger and poverty; technology and globalization; immigration; warfare, violence and terrorism.
Repeatable: No
♦

PHI 310 Information Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore status or consent of instructor.
Taught: Fall and spring
Ethical issues faced by computing professionals including those related to computing in the workplace, security, crime, privacy, property rights, risk, liability, and the internet.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

PHI 312 Eastern Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Philosophical foundations of Buddhism, Taoism, Confucianism, and Hinduism, including perspectives on self, reality, community, language, truth, enlightenment, embodiment, reason, emotion, and art; contrast with western perspectives; meditation and applied meditative practices.
Repeatable: No
♦

PHI 315 Knowledge and Reality (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Differing views on the nature of knowledge and reality, e.g., analytic, idealist, realist, materialist, existentialist, mystical, intuitionist, and emotivist; relevance of these theories to one's personal philosophy of life and actions; nature of language, perception, intellection, time, matter, mind, God, freedom, truth, reason, emotion.
Repeatable: No
♦

PHI 320 Social and Political Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Nature and purposes of the state, grounds of political obligation, freedom and its limitations, human rights, social justice, and selected contemporary issues.
Repeatable: No
♦

PHI 323 Peace and War (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Philosophical study of main issues related to the ideas and realities of war and peace. Topics will include beliefs and theories about peace and war, the causes of violence and war, war and morality, alternatives to violence and war, peace ideas and proposals, applications to current world conditions.
Repeatable: No
♦

PHI 324 African Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Introduction to ideas and themes in African philosophy. Topics may include African conceptions of nature/reality, personhood, time, life, death, destiny, afterlife, morality, rights, kinship, individuality, community, rituals (e.g. puberty rites, female circumcision), Ancient Egyptian influence on Greek philosophy, ethnophilosophy, modernity, logic, rationality, traditional medicine, traditional African religion (and religious/spiritual practices).

Repeatable: No

♦

PHI 330 Philosophy and Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Major philosophical issues in law; theories of the nature and purposes of law, legal enforcement of community standards, strict liability, human rights, civil disobedience, theories of punishment, and legal ethics.
Repeatable: No

♦

PHI 335 Great Traditions in Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
In-depth study of the major sources of western moral philosophy; representative selections from philosophers of classical times to the present (e.g., Plato, Aristotle, Augustine, Aquinas, Kant, Bentham, Mill, Marx, Dewey, and Sartre).
Repeatable: No

♦

PHI 340 Neuroethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Explores the relationship between neuroscience (and possibly other social and cognitive sciences) and the philosophical study of morality. Topics could include the implications of neuroscience for understanding moral judgment, moral emotions, free will and moral responsibility, the concept of a person, and moral character. Other topics might include ethical issues surrounding the practice and application of neuroscience in social, legal and clinical contexts.
Repeatable: No

♦

PHI 345 Philosophy of Mind (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
This course is designed to examine issues and themes in contemporary philosophy of mind; the relationships among the mind, brain and world; problems concerning intentionality, subjectivity, consciousness, qualia, mental representation, mental causation; and the intersection of psychology, cognitive science, neuroscience, and artificial intelligence with philosophy.
Repeatable: No

♦

PHI 350 Philosophy of Religion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Issues in religious philosophy, including the relation between faith and reason, the nature of religious experience, arguments for the existence of God, the problem of evil, and immortality.
Repeatable: No

♦

PHI 355 Socrates and Plato (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Study of two major formative persons in the development of Western thought and culture. Socrates' life, trial, death, thought, and significance. Plato on the good, justice, education, knowledge, and reality; the Platonic tradition.
Repeatable: No

♦

PHI 360 Environmental Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
In-depth examination of epistemological, ethical, and social questions concerning humanity's relationship with nature. Selected topics include ecofeminism, religion and ecology, the rights of animals and ecosystems, global warming, obligations to future generations, anthropocentrism and biocentrism, sustainable development, technology and human nature.
Repeatable: No

♦

PHI 370 Religion and Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore status or consent of instructor.
Taught: Variable, check with department
Various approaches to the relationship between religion and science; historical conflict; the developing dialogue between religion and science; cosmology; evolution. The course seeks to introduce students to a wide range of concerns and does not presuppose detailed knowledge of religion or science. The same as REL 370.
Repeatable: No

♦

PHI 371 Death and the Afterlife (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Various conceptions of an afterlife (disembodied existence, reincarnation, and resurrection) are examined with regards to the meaning and evidence for the positions. Topics include discussions of personal identity, near death experiences, the nature of consciousness.
Repeatable: No

♦

PHI 380 History of Classical and Medieval Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore status or consent of the instructor.
Taught: Variable, check with department
Western philosophical tradition from the Greeks to the 15th century; birth of scientific explanations; the role of reason; impact of Christianity; influence of seminal thinkers such as Socrates,

Plato, Aristotle, the Atomists, Augustine, and Aquinas on political, ethical, religious, and other ideas.
Repeatable: No

♦

PHI 385 History of Modern and Contemporary Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore status or consent of instructor.
Taught: Variable, check with department
Western philosophical tradition from the 15th to the 20th century; rise of rationalism, dualism, empiricism, idealism, skepticism, and utilitarianism, and the modern reactions to them, such as positivism, dialectical materialism, existentialism, and feminism; figures such as Bacon, Descartes, Hobbes, Leibniz, Spinoza, Hume, Mill, Kant, Hegel, and others.
Repeatable: No

♦

PHI 393 History of Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
A study of the history and development of significant philosophical ideas, theories and themes. The course could be based on the contributions of influential individual philosophers, important philosophical movements, schools of thought, or the development of significant ideas or themes. Repeatable as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

PHI 394 Topics: Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
In-depth examination of a major figure, issue, or school in philosophy. Topic will be announced in Schedule of Classes. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PHI 396 Internship: Applied Philosophy (3 credits)
Hours: 2 classroom + 5 lab/studio
Prerequisite(s): 6 semester hours in philosophy and consent of instructor.
Taught: Variable, check with department
Supervised readings and research carried out in conjunction with practicum, internship, or job in student's primary area of interest; focus upon philosophical and ethical issues of the work experience.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

PHI 491 Philosophy Capstone (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Senior status or at least 18 hours in philosophy and consent of instructor.
Taught: Fall and spring
Assessment testing, resume and reflective essays. To be taken in the Philosophy major's last semester.
Repeatable: No

♦

PHI 492 Directed Research: Philosophy (1-6 credits)
Hours: 1-6 Classroom + 0 Lab Studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department.
Independent work on research project agreed upon by student and instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 18

PHI 494 Seminar: Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours in philosophy.
Taught: Variable, check with department
Examination of a selected problem or tradition in philosophy. Offered according to demand and interest of students at discretion of philosophy faculty. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PHI 499 Independent Study in Philosophy (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours in philosophy and consent of instructor.
Taught: Variable, check with department
Individually supervised readings and study of some philosophical work, problem, or tradition. May be repeated as topics vary, but no more than twice.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

PHI 594 Topics: Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours in philosophy or consent of instructor.
Taught: Variable, check with department
In-depth examination of a selected topic in philosophy. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PHI 599 Independent Study: Philosophy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of philosophy or consent of

instructor.
Taught: Variable, check with department
Individually supervised readings and study of a selected study in philosophy. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PHYSICAL EDUCATION

PHE 104 Badminton (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Spring only
Development of skills, knowledge, strategies, and attitudes in the sport of badminton.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 108 Aerobic Conditioning (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall only
This is a physical activity course designed to prepare, motivate, and engage students in various low to medium impact aerobic exercises. Aerobic conditioning is structured to increase cardiovascular fitness through safe and specific body conditioning exercises.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 109 Strength Training (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
This is a physical activity course designed to introduce students to strength training as a lifelong activity. Proper techniques and training principles will be taught using different types of resistance training.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 110 Golf (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Development of skills, knowledge, strategies, and attitudes in specific golf activities.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 111 Yoga (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
This is a physical activity course designed to familiarize students with the basic postures and breathing techniques of Hatha yoga, including slow stretching and toning activities designed to help release stress while elongating muscles.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 112 Snow Skiing - Snow Boarding (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Spring only
This is a physical activity course designed to instruct students in the fundamentals of snow skiing and snow boarding. The class is conducted at a local snow skiing facility. Students are charged an additional fee that includes rental of ski equipment and use of facilities.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 114 Karate (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Development of skills, knowledge, strategies, and attitudes in the sport of karate.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 118 Swimming (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Development of skills, knowledge, strategies, and attitudes in specific swimming activities.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 120 Tennis (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall, spring, and summer
Development of skills, knowledge, strategies, and attitudes in specific tennis activities.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 122 Volleyball (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Development of skills, knowledge, strategies, and attitudes in the sport of volleyball.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 210 Intermediate Golf (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Refinement of skills, knowledge, strategies, and rules related to intermediate level performance of activities. For students already skilled at the Intermediate level in the activity.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 214 Intermediate Karate (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Refinement of skills, knowledge, strategies, and rules related to intermediate level performance of activities. For students already

skilled at the Intermediate level in the activity.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 218 Intermediate Swimming (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Fall and spring
Refinement of skills, knowledge, strategies, and rules related to intermediate level performance of activities. For students already skilled at the Intermediate level in the activity.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 220 Intermediate Tennis (1 credit)
Hours: 0 classroom + 2 lab/studio
Taught: Variable, check with department
Refinement of skills, knowledge, strategies, and rules related to intermediate level performance of activities. For students already skilled at the Intermediate level in the activity.
Repeatable: Yes
If Repeatable, Max. Credits: 5

PHE 231 Dance and Rhythmic Activities (2 credits)
Hours: 1 classroom + 1 lab/studio
Taught: Spring only
The focus of this course is to develop an appreciation for the value and benefits for the inclusion of dance and rhythmic activities in the P-12 physical education curriculum, and how to plan, demonstrate, teach, and assess a variety of appropriate dance forms in the elementary, middle grades, and high school physical education programs.
Repeatable: No

PHE 250 Physical Education for Elementary Teachers (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): EDU 104.
Taught: Fall, spring, and summer
Content and skills for developing, implementing, and evaluating physical education in the P-5 classroom.
Repeatable: No
♦

PHE 299 Special Topics in Physical Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): sophomore standing and/or consent of instructor.
Taught: Fall, spring, and summer
Directed readings, independent research, or other areas of specific or individual academic interest. Not intended to substitute for any course offered on a regular basis. Written agreement between faculty and student must be submitted to department chair within first two weeks of semester; elements of agreement to include purpose, objective, instructional activities, time frame, and evaluation procedure.
Repeatable: Yes
If Repeatable, Max. Credits: 2

♦

PHE 310 Fitness Education for Children and Youth (3 credits)
Hours: 2 classroom + 1 lab/studio
Taught: Fall only
An introduction to developmentally appropriate content, concepts, motivational strategies, teaching and assessment practices and strategies, and physical activities to be used to encourage children and adolescents to regularly participate in physical activity and to achieve and maintain a health level of fitness in school and community programs.
Repeatable: No

PHE 318 Lifeguarding (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Swimming proficiency test given during first class meeting.
Taught: Spring only
Knowledge and skills designed to save own life or life of another person in event of aquatic emergency; CPR (enhanced first aid instruction) for the professional rescuer. American Red Cross certification awarded to students meeting requirements.
Repeatable: No
♦

PHE 319 Water Safety Instructor (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): Must pass American Red Cross Level 4 swimming skills test.
Taught: Fall and spring
Knowledge, skills, and methodology necessary to teach swimming and water safety skills. American Red Cross Certification for water safety instructor, and first aid/CPR awarded to those students who meet requirements.
Repeatable: No
♦

PHE 325 Adapted Physical Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): EDU 300
Taught: Fall only
Adaptation of physical education programs for students who are temporarily or permanently disabled.
Repeatable: No
♦

PHE 333 Motor Skill and Fitness Activities for Children (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): KIN 125, *junior standing, or permission of instructor*
Taught: Fall only
Development of skills, knowledge, and strategies in activities developmentally appropriate for elementary physical education programs; movement concepts, fundamental motor skills, body management, rhythmic activities and dance, game skills, and physical fitness concepts and development activities.
Repeatable: No

PHE 334 Team Sports (2 credits)
Hours: 1 classroom + 1 lab/studio
Prerequisite(s): KIN 125, *junior standing, or permission of instructor*
Taught: Fall only

An introduction to the performance and application of skills, knowledge, strategies, tactics, and rules of a variety of team sports (basketball, volleyball, soccer, touch football, lacrosse, ultimate frisbee and strategies to teach these sports using the sport education and tactical game approaches in middle & high school physical education or community programs.
Repeatable: No

PHE 335 Individual and Dual Sports (2 credits)
Hours: 1 classroom + 1 lab/studio
Prerequisite(s): KIN 125, *junior standing, or permission of instructor*
Taught: Spring only
An introduction to the knowledge, skills, rules, tactics, and strategies to successfully play a variety of sports (badminton, tennis, golf, Frisbee golf, track & field, bowling, and adventure education activities) strategies to teach and coach these sports & activities in middle school and high school physical education programs, and community sports programs.
Repeatable: No

PHE 390 Practicum in Recreational Leadership (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Junior standing.
Taught: Fall, spring, and summer
The focus of this course is to provide students with supervised practical experiences in which they will work in recreational programs on and off campus. Students will gain an understanding and experience how a recreation center functions and how programs are planned, organized, publicized, and implemented.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

PHE 490 Field Experiences in Elementary Physical Education (2 credits)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): Admission to Teacher Education program
Co-requisite(s): HPE 425
Taught: Fall and spring
Field experiences of supervised practice teaching in an elementary school setting.
Repeatable: No
♦

PHE 491 Field Experiences in Middle/Secondary Physical Education (2 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): HPE 425
Taught: Fall only
Supervised practice teaching experience in a middle school and/or high school setting. Integrated with methods course.
Repeatable: No

PHE 494 Special Topics in Physical Education (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, winter, spring and summer
This is a special topics course of a current interest/issue in the field of physical education.
Repeatable: Yes
If Repeatable, Max. Credits: 15

PHE 496 Internship in Recreation Leader (9 credits)
Hours: 0 classroom + 9 lab/studio
Prerequisite(s): PHE 390.
Taught: Fall, spring, and summer
The focus of this internship is for students to gain professional experience in a supervised recreational setting in the community to prepare for work in a professional setting. Students will work with the program supervisor to determine the type of setting that will best prepare him/her for their professional goals.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

PHE 499 Special Topics in Physical Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior or senior standing.
Taught: Variable, check with department
Directed readings, independent research, or other areas of specific or individual academic interest. Not intended to substitute for any course offered on a regular basis. Written agreement between faculty and student must be submitted to department chair within first two weeks of semester; elements of agreement to include purpose, objective, instructional activities, time frame, and evaluation procedure.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

PHE 599 Selected Problems in Physical Education (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Individual or group study of a topic of current interest in physical education. Topic selected by student with approval of instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 15

PHYSICS

PHY 100 Science, Engineering, and Design (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
Course designed for students who wish to pursue a course of study in a field of science or pre-engineering at NKU. Topics will include career information, career and college success skills, and an introduction to design.
Repeatable: No

PHY 110 Introduction to Physics with Laboratory - SL (4 credits)
Hours: 3 classroom + 2 lab/studio
Prerequisite(s): MAT 102 or placement.
Taught: Fall, spring, and summer
Conceptual physics for nonscience majors. Using guided inquiry activities to teach basic principles and their applications. Topics

chosen from among: nature of physics as a science, mechanics, wave motion, light, heat, electricity, and the atom. Assumes knowledge of elementary algebra.
Repeatable: No
General Education Credit: Natural Science
♦

PHY 150 Current Topics in Physics (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Directed projects, readings, and discussion for students interested in physics as a major or a minor. Does not meet general education requirement in natural sciences.
Repeatable: No

PHY 161 Circuit Analysis (3 credits)
Hours: 2 classroom + 2 lab/studio
Prerequisite(s): MAT 102 or ACT Math 25 or higher.
Taught: Fall and spring
Basic laws and theories, voltages, current, power, and resistance; resistive circuits in direct current circuits; analysis and applications. Mesh and node equations used in circuit analysis.
Repeatable: No
♦

PHY 211 General Physics with Laboratory I - SL (4 credits)
Hours: 4 classroom + 2 lab/studio
Prerequisite(s): MAT 119 or a minimal math ACT score of 25 or equivalent placement.
Taught: Fall and spring
Noncalculus introduction to classical physics using guided inquiry activities. Topics include kinematics, forces and Newton's Laws of Motion, circular motion, work and energy, momentum, rotational motion, static equilibrium, and fluids. Assumes knowledge of algebra and basic trigonometry.
Repeatable: No
General Education Credit: Natural Science
♦

PHY 213 General Physics with Laboratory II (4 credits)
Hours: 4 classroom + 2 lab/studio
Prerequisite(s): PHY 211.
Taught: Fall and spring
Noncalculus introduction to classical physics using guided inquiry activities. Continuation of PHY 211. Topics include oscillations, waves and sound, electric forces and fields, DC circuits, magnetic forces and fields, AC circuits, geometrical optics, and physical optics.
Repeatable: No
♦

PHY 220 University Physics with Laboratory I - SL (4 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite OR Co-requisite: MAT 129 or MAT 227
Taught: Fall and spring
Calculus-based introduction to classical physics using guided inquiry activities. Topics include techniques for data analysis, kinematics, forces and Newton's Laws of Motion, circular motion, work and energy, momentum, rotational motion, static equilibrium.
Repeatable: No
General Education Credit: Natural Science
♦

PHY 222 University Physics with Laboratory II (4 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): C- or better in PHY 220.
Prerequisite OR Co-requisite: MAT 229 or MAT 228.
Taught: Fall only
Calculus-based introduction to classical electromagnetic theory using guided inquiry activities. Topics include electric forces and fields, DC circuits, magnetic forces and fields, AC circuits.
Repeatable: No
♦

PHY 224 University Physics with Laboratory III (4 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): MAT 129 and "C-" or better in PHY 220.
Taught: Spring only
Calculus-based introduction to classical physics using guided inquiry activities. Topics include oscillations, waves, sound, geometrical optics, physical optics, fluids, and thermodynamics.
Repeatable: No
♦

PHY 292 Research Experience in Physics (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and department chair.
Taught: Fall, spring, and summer
Original research work directed by one or more members of the physics faculty. May be taken more than once. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

PHY 294 Topics: Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of department chair.
Taught: Variable, check with department
Special topics in physics.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

PHY 300 Intermediate Physics Laboratory (2 credits)
Hours: 0 classroom + 4 lab/studio
Co-requisite(s): PHY 361.
Taught: Fall only
A selection of experiments in classical and modern physics. Topics include but are not limited to properties of light, quantization of charge, and atomic structure.
Repeatable: No

PHY 301 Advanced Physics Laboratory (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): PHY 300.
Taught: Spring only
A selection of advanced experiments in classical and modern physics. Topics are selected from thermodynamic properties of

matter, nuclear structure, particle physics, and advanced optics.
Repeatable: No

♦

PHY 305 Statics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 228 or MAT 229, and C- or better in PHY 211 or PHY 220.
Taught: Fall only
Force on bodies at rest; vector algebra; force systems; equivalent force systems; distributed forces; internal forces; principles of equilibrium; application to trusses, frames, and beams; friction.
Repeatable: No

♦

PHY 310 Dynamics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in PHY 220; also PHY 305 or declared B.S. in Physics. .
Prerequisite OR Co-requisite: MAT 325.
Taught: Spring only
Particle dynamics in one, two, and three dimensions; applications of mathematics to mechanical systems; theory of small oscillations; rigid- body dynamics.
Repeatable: No

♦

PHY 315 Introduction to Astrophysics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 129 or MAT 227, and C- or better in PHY 213 or PHY 222.
Taught: Variable, check with department
Quantitative application of physical principles to subjects of astronomical interest, such as the interaction of radiation with matter, analysis of stellar atmospheres, origin and evolution of the elements, and cosmology.
Repeatable: No

♦

PHY 320 Physical Optics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 228 or MAT 229, and C- or better in PHY 224.
Taught: Variable, check with department
Nature of light; interference; diffraction; polarization.
Repeatable: No

♦

PHY 330 Mathematical Physics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 325.
Taught: Fall only
Fourier series; orthogonal expansions; eigenvalue problems; boundary value problems in ordinary and partial differential equations.
Repeatable: No

♦

PHY 360 Thermodynamics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in PHY 224.
Prerequisite OR Co-requisite: MAT 329.
Taught: Spring only
The laws of thermodynamics applied to closed systems, open systems, power cycles, and refrigeration cycles; extensive use of tables and graphs of thermodynamic properties.
Repeatable: No

♦

PHY 361 Modern Physics I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 129 or MAT 227, and C- or better in PHY 213 or PHY 224.
Co-requisite(s): PHY 300.
Taught: Fall only
Introduction to concepts of modern physics; relativity, quantization of charge, black-body radiation, photoelectric effect, X-ray and Compton scattering, atomic models of Rutherford and Bohr, wave properties of matter, the Schrodinger equation, and atomic physics.
Repeatable: No

♦

PHY 392 Directed Research: Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Supervised research in an area of physics currently under investigation by one or more members of the physics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

PHY 393 Physics Seminar (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): 20 semester hours of physics courses.
Taught: Spring only
Career-oriented skills for physics majors including job and graduate-school application strategies, resume and curriculum vitae development, and review of refereed journal articles in physics or a closely related field. Written reports and oral presentations are required.
Repeatable: No

♦

PHY 394 Topics: Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
In-depth study of specialized topics in physics. Repeatable for a maximum of 9 semester hours when topic varies. Offered on demand.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

PHY 396 Undergraduate Laboratory Assistant (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Physics GPA of at least 3.00, junior standing and consent of instructor.

Taught: Variable, check with department
Participation in planning, setting-up, teaching, conducting reviews, and testing for an undergraduate laboratory course. For students majoring in physics. Not applicable to major or minor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

PHY 397 Special Projects: Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Completion of an independent project involving either the development of an advanced laboratory experiment or the construction of a working prototype (or detailed conceptual design) of an operational device.
Repeatable: Yes
If Repeatable, Max. Credits: 6

PHY 399 Readings in Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Current literature.
Repeatable: Yes
If Repeatable, Max. Credits: 6

PHY 405 Classical Mechanics (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PHY 220 and MAT 325
Taught: Variable-chck w/dept
Central forces, planetary motions, calculus of variations, Lagrangian mechanics, Hamiltonian mechanics, oscillations and normal modes(coupled harmonic oscillator, coupled pendulum, particles on a string), dynamics of rigid bodies, motion in a non-inertial reference frame, kinematics in two particle collisions.
Repeatable: No
♦

PHY 410 Electromagnetic Theory (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): MAT 329, MAT 325, MAT 330, and C- or better in PHY 222.
Taught: Variable, check with department
Development of Maxwell's equations; their application to electrostatics, magnetostatics, and electromagnetic radiation.
Repeatable: No
♦

PHY 420 Modern Physics II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in PHY 361.
Taught: Variable, check with department
Applications and advanced topics in modern physics; statistical physics, molecular structure and spectra, solid-state physics, nuclear physics, particle physics, and cosmology.
Repeatable: No
♦

PHY 460 Quantum Mechanics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MAT 325 and C- or better in PHY 361 or CHE 361.
Taught: Variable, check with department
Principles of quantum mechanics; operator methods and their application to the hydrogen atom, spin, and angular momentum. Other topics selected from quantum statistics, variational techniques and perturbation theory, WKB approximation, and many electron atoms.
Repeatable: No
♦

PHY 492 Undergraduate Research: Physics (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): 8 semester hours of 300-level physics courses or above.
Taught: Variable, check with department
Supervised research in an area of physics currently under investigation by one or more members of the physics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

POLITICAL SCIENCE

PSC 100 American Politics - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
National government in the U.S.; decision making process, government structure, politics.
Repeatable: No
General Education Credit: Individual and Society

PSC 101 State and Local Politics - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Policy making processes in U.S. state governments, Kentucky state and local governments.
Repeatable: No
General Education Credit: Individual and Society

PSC 102 Comparative Politics - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Analysis of political systems using the comparative approach to political processes and behavior.
Repeatable: No
General Education Credit: Global Viewpoints

PSC 103 International Politics - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamental factors governing international politics.
Repeatable: No
General Education Credit: Global Viewpoints

PSC 110 Political Ideas (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring

Trends and ideas that have helped shape Western political heritage.
Repeatable: No
General Education Credit: Global Viewpoints

PSC 201 Human Rights & Freedoms - SB (3 Credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
What are human rights? Who decides? What factors influence how this concept is defined? Under what conditions are humans' rights established, protected, and violated? Can we ignore cultural differences in the pursuit of national and universal human rights? These sorts of questions complicate the study of political rights.
Repeatable: No
General Education Credit: Cultural Pluralism

PSC 202 Politics & Culture - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and Spring
Explores the intersection of politics and culture by examining political theory, governmental messaging through art, cultural media, political practices, and policy. Examines various political issues in different contexts, including, politics, art, censorship, and norms, as well as the role of government in cultural practices.
Repeatable: No
General Education Credit: Culture and Creativity

PSC 204 Introduction to the Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Various approaches to law, including philosophical, sociological, political, and historical; elements of legal reasoning; institutions, functions, and effects of law in American society.
Repeatable: No
♦

PSC 215 Scope and Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of introductory political science courses.
Taught: Fall only
Philosophical foundations of political analysis; various methodologies and quantitative techniques; nature of the role of the political scientist.
Repeatable: No
♦

PSC 301 American Political Institutions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only
In this course, we will be examining the structure and function of the legislative, executive, and judicial branches of the United States government.
Repeatable: No
♦

PSC 305 The Judicial Process (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Variable, check with department
A systems approach to the behavior of actors in the federal judiciary.
Repeatable: No
♦

PSC 307 Constitutional Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall and spring
Major constitutional issues studied through decisions of the Supreme Court.
Repeatable: No
♦

PSC 308 Civil Liberties (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall and spring
Equal protection under the law; criminal due process, First Amendment freedoms studied through case methods.
Repeatable: No
♦

PSC 309 Civil Rights 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100 or JUS 101
Taught: Spring only-odd years
This course is designed as a broad interdisciplinary course in the historical development of the Civil Rights Movement in the United States, as it pertained to various racial, gender identity, sexual orientation, age, and disability status. Assignments will focus on reading, writing, analysis and critical thinking.
Repeatable: No

PSC 310 Political Behavior (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only
Voting, campaigns, and recruitment of political leadership; academic background for courses in campaign management, public opinion, or elections.
Repeatable: No
♦

PSC 311 Political Parties and Interest Groups (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-even yrs
Development and structure of US Parties, Electoral Systems and Interest Groups. Including: Party nominations, conventions, funding, campaigns and interest group politics.
Repeatable: No
♦

PSC 312 Modern Ideologies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only
Major political ideologies of the 20th and 21st centuries: liberal

democratic capitalism, democratic socialism, fascism, and communism; role of propaganda and political socialization in dissemination of ideological values; relationships among ideology, nationalism, and revolution.
Repeatable: No
♦

PSC 319 Public Opinion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103, or PSC 110.
Taught: Spring only-odd yrs
The purpose of this class is to examine American public opinion and its role in American politics. Public opinion serves as a foundation of survey research and understanding of American political moods.
Repeatable: No
Available High Impact Practices: research/creativity
♦

PSC 320 American Politics in Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Summer only
Role of films in shaping public agendas, enhancing awareness of public issues; effect of films on public understanding of political processes and problems; examination of accuracy and bias of political messages in films.
Repeatable: No
♦

PSC 322 International Politics in Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Summer only
Role of films in examining global relations, enhancing awareness of global issues; effect of films on public understanding of political processes and problems; examination of accuracy and bias of political messages in films.
Repeatable: No
♦

PSC 330 Politics of Europe (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-odd yrs
Organization and functioning of modern European political systems, especially Great Britain, France, Germany, and Italy.
Repeatable: No
♦

PSC 335 Politics of Latin America (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-even years
Comparative analysis of selected republics, especially Argentina, Brazil, Chile, Peru, and Venezuela.
Repeatable: No
♦

PSC 340 Politics of Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-even years
This course explores the political, economic, and social challenges of Third World development. It covers a wide range of contemporary issues affecting developing countries, and focuses especially on aid and development policies aimed at reducing poverty and underdevelopment. In a world where 840 million people are malnourished, where nearly 1.3 billion people live on less than a dollar per day, and where dozens of countries constitute "failed states," the development challenges faced by Third World areas are unquestionably one of the most important public policy concerns of our time.
Repeatable: No
♦

PSC 350 Using Civilization to Understand IR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Introductory-level PSC course. PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Summer only
Using the computer simulation Sid Meyer's Civilization to understand international relations issues, including factors that affect decision making; levels of analysis from which decisions are made; implications of diplomatic choices and policy making.
Repeatable: No
♦

PSC 366 Politics of Africa (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-even yrs
A comprehensive Introduction to the theory, practice and reality of Government and Politics in Africa. The major intent is to help the student to better grasp and comprehend the structure, function and nature of government and politics in Africa from colonialism to the present, as well as the policies resulting and their impact on the African polity and the greater international community.
Repeatable: No
♦

PSC 370 Ancient Political Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-even yrs
Nature of political life; basic questions examined through close reading of original works of early Greek and Christian thinkers.
Repeatable: No
♦

PSC 372 Modern Political Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only
Renaissance through Industrialization, considering thought on power, natural rights, the social contract, liberal democracy, utilitarianism, communism, and arguably the roots of feminism.

Repeatable: No

♦

PSC 373 Contemporary Political Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Introductory-level PSC course.
Taught: Fall only
This course emphasizes the changes in political theory in the 20th century, following Nietzsche's criticism of the Enlightenment. The course focuses on the transformation of Enlightenment themes like power, modernity, gender, labor, and class.
Repeatable: No

♦

PSC 375 Perspectives on Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Variable, check with department
This course is an introduction to contemporary theories of the law and legality. The course deals with the concept of law or legal authority. The course contains three areas: the notion of jurisprudence; the broader implications of how claims to authority are made good through legality; and obligation to the law.
Repeatable: No

♦

PSC 380 Politics of the Middle East (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-odd years
Context in which Middle Eastern politics evolved; organization and functioning of modern Middle Eastern political systems; factors affecting ideological and political trends in the region.
Repeatable: No

♦

PSC 388 Politics of Asia (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-even years
Examines the politics, governments, economy, security issues, and history of Asia; particular focus on East Asia's rapid growth.
Repeatable: No

♦

PSC 392 Research in Political Science (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Permission of Instructor.
Taught: Fall and Spring

Student will conduct original investigation of selected field specific topics chosen in consultation with instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 6

PSC 394 Topics: Politics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Variable, check with department
Topics vary from semester to semester. See Schedule of Classes for topic and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PSC 400 State Governance and Engagement (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Variable, check with department
State and local government structure and the role of the citizen in these institutions.
Repeatable: No

♦

PSC 403 Politics in Action (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only
Examination of the political forces that drive policy formulation. Critical analysis of the passage, implementation, and effectiveness of major national legislation and programs.
Repeatable: No

♦

PSC 405 Politics of Money (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-odd yrs
How and why the federal government creates, collects and spends money. Critical analysis of the passage, implementation, and effectiveness of major national economic legislation and programs.
Repeatable: No

♦

PSC 410 International Political Economy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103, PSC 110 or ECO 100.
Taught: Spring only
Interaction between politics and economics at the domestic and international levels; process leading to national and international distribution of wealth and economic development.
Repeatable: No

♦

PSC 415 United States Foreign Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-even years
The historical setting, foreign policy process models, institutions and actors that influence United States foreign policy, emerging and enduring issues addressed by states.
Repeatable: No

♦

PSC 425 Sex in Global Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103, PSC 110 or any WGS course.

Taught: Fall only-even years
Dynamics, institutions, actors, and policies that shape gender stereotypes, identity, and movements across cultures and regions of the world, serving to subordinate women. Topics include sexuality, economic issues, political and legal systems, globalization factors, and religion.
Repeatable: No
♦

PSC 430 Politics and the Media (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-even yrs
Impact of media on political process in the United States; structure and ownership of mass media; mass media and political behavior; role of the media in campaigns, elections and policy making.
Repeatable: No
♦

PSC 440 Politics of Food (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-odd years
The political implications of the food we eat and how the choices we make can both define and dictate political policies.
Repeatable: No
♦

PSC 445 Sustainability (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-odd years
Covers topics to raise awareness of the connections between individuals and the greater world around them to address the consequences of capitalism, including the hazards of resource depletion, increasing amounts of waste, and environmental degradation.
Repeatable: No
♦

PSC 465 Democratization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103, or PSC 110.
Taught: Fall only
This class provide students with a general understanding of democratic regimes and their development over time and space.
Repeatable: No
♦

PSC 470 Globalization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only
Understanding the interdependent nature of relations in the world by examining the dynamic transnational forces of culture, ideology, identity, geography, history, religion, social relations, and economics.
Repeatable: No
♦

PSC 480 International Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only
Development of international law; enforcement of international law; impact of international law on conduct of international relations among nation states.
Repeatable: No
♦

PSC 481 International Organization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Spring only-odd yrs
Development of international organizations; recent international organizations; role of United Nations in peacekeeping and international socioeconomic and cultural development.
Repeatable: No
♦

PSC 482 Elections Around the World (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Any 100-level or 200-level PSC course.
Taught: Spring only-even yrs
This class will focus on three distinctly different aspects of electoral systems and provide comparative context: democratization, system selection and effectiveness.
Repeatable: No
Available High Impact Practices: research/creativity
♦

PSC 485 Comparative Foreign Policies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSC 100, PSC 101, PSC 102, PSC 103 or PSC 110.
Taught: Fall only-odd years
Comparative analysis of foreign policies of selected states; decision-making and factors affecting foreign policy.
Repeatable: No
♦

PSC 486 Conflict and Security (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of introductory political science courses.
Taught: Spring only
This course is an investigation into the causes and correlates of conflict in our time, and how fighting these conflicts has changed over time. The course begins just prior to the year 1648, with the advent of the modern nation-state system, and unfolds to the present days of the "New World disorder," with the occurrence of acts of political terrorism upon American soil.
Repeatable: No
♦

PSC 496 Internship in Political Science (1-15 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Students may enroll for real-world experiential credit with public or private hosts. Students must have the consent of Internship

Coordinator.
Repeatable: No

PSC 499 Readings and Practica for Seniors (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of program director.
Taught: Fall, spring, and summer
Specialized reading or primary research interests completed through independent study at the direction of a specific instructor. May be repeated as projects vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

POPULAR CULTURE

POP 205 Introduction to Popular Culture - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Major areas of popular culture studies; values and attitude expressed in and passed on by activities, objects and entertainment forms of popular culture.
Repeatable: No
General Education Credit: Culture and Creativity

POP 250 International Popular Culture - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
In-depth study of international and/or global aspects of everyday life and popular culture: consumer culture, mass media, entertainment, migration, technology, etc. May focus on a country or a region.
Repeatable: No
General Education Credit: Culture and Creativity

POP 300 Sports and Popular Culture (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Any one course offered by the Communication Department or consent of the instructor.
Taught: Fall and spring
Students explore how sports and mass media unify/divide people locally, nationally and internationally in terms of economics, politics, culture, race, gender and language.
Repeatable: No
♦

POP 305 Black Popular Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Historical and contemporary examination of Black popular culture in the United States. Influence on American popular culture in general. Relationship of race, ethnicity, gender, and class.
Repeatable: No

POP 333 Popular Music and Contemporary Society (3 Credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and Spring
Exploration of examples of popular music from the 1950s to the present day and its impact on society. Influence of popular music and performing artists on history and cultural trends.
Repeatable: No

POP 345 Japanese Popular Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): POP 205 or JPN 101 or consent of instructor.
Taught: Variable, check with department
Postwar Japanese society and culture; beliefs and values, gender roles, daily experience, popular and entertainment forms.
Repeatable: No
♦

POP 369 Folklore and Pop Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Communication course.
Taught: Fall and spring
Theoretical and academic context of folklore and popular culture, their symbiotic relationship and impact on each other, creativity in our mass mediated world.
Repeatable: No
♦

POP 394 Topics: Popular Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110 or POP 205 or POP 250
Taught: Variable, check with department
Focused study of a specific and significant topic concerning popular culture. Topics vary from semester to semester.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

POP 492 Directed Research (0-6 credits)
Hours: (0 classroom + 0-6 lab/studio)
Prerequisite(s): Junior standing or instructor permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibit/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

POP 494 Topics: Popular Entertainment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): CMST 101 or CMST 110 or POP 205 or POP 250
Taught: Fall and spring
Study of popular entertainment forms, leisure activities, and events in the U.S. and the world, past and present, such as television, concerts, sports, fandom, etc. Topics vary from semester to semester. May be repeated once if topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

POP 495 Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

POP 499 Independent Study (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Variable, check with department
Individually supervised work involving reading, research, and/or production in a specified area of interest. Topic selected before registration in conference with instructor.
Repeatable: No

PSYCHOLOGY

PSY 100 Introduction to Psychology - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Systematic and scientific study of behavior from biological, behavioral, and cognitive perspectives; methods, history, biopsychology, perception, learning, development, cognition, personality, mental disorders, therapy, and social psychology.
Repeatable: No
General Education Credit: Individual and Society

PSY 200 Psychology of Personal Adjustment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable-chck w/dept.
Personal growth and development including personal health; stress management; values clarification; moral dilemmas; interpersonal relations; social problems; career development.
Repeatable: No
♦

PSY 201 Psychology of Money 3 credit hours
Hours: 3 classroom + 0 lab/studio
Taught: Fall
Psychology of personal finance; how emotions and psychological biases influence financial decision-making; how money concerns contribute to stress and interpersonal conflict; personal and career financial choices; impact of wealth inequality on society.
Repeatable: No

PSY 210 Research Methods and Lab (5 credits)
Hours: 4 classroom + 2 lab/studio
Prerequisite(s): PSY 100 and C- or better in in STA 205.
Co-requisite(s): PSY 210R.
Taught: Fall and spring
Experimental and other research methods in psychological research. Includes laboratory experience with use of computers and other tools involved in psychological research: information gathering, analysis, and communication; library searching, writing in APA style, collecting and analyzing data. Credit is not given for both PSY 210 and PSY 211 and/or PSY 212.
Repeatable: No
♦

PSY 210R Career Planning for Psychology Majors (1 credit)
Hours: 1 classroom + 0 lab/studio
Co-requisite(s): PSY 210 or PSY 212.
Taught: Fall and spring
Assessment of individual values, interests, and abilities; investigation of psychology-related vocations; planning and decision-making skills regarding future careers.
Repeatable: No

PSY 211 Research Methods A (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 or C- or better in STA 205.
Taught: Fall and spring
Includes material covered in PSY 210, examination of experimental and other research methods in psychological research. Credit is not given for both PSY 210 and 211.
Repeatable: No
♦

PSY 212 Research Methods B (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in PSY 211.
Co-requisite(s): PSY 210R
Taught: Fall and spring
Includes material covered in PSY 210, laboratory experience using computers and other tools in all phases of psychological research: information gathering, analysis, and communication; techniques of library searching, elements of writing in APA style, collecting and analyzing data. Credit is not given for both PSY 210 and 212.
Repeatable: No
♦

PSY 300 Personality Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Overview of research findings in personality psychology; emphasis on empirically supported conclusions regarding personality.
Repeatable: No
♦

PSY 301 Evolutionary Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable, check with department
Human nature from the perspective of biological evolution; natural history of species; altruism and cooperation; aggression, warfare, deception and prejudice; morality; mating strategies; cognition, perception, and learning.
Repeatable: No
♦

PSY 304 Consumer Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring

Psychological methods and concepts used to understand, explain, and predict the dynamics underlying, influencing, and determining consumer behavior; research methodology, individual and group influences, product attributes, promotional techniques, and consumer decision making.
Repeatable: No
♦

PSY 305 Psychological Tests & Measures (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and C- or better in STA 205, STA 205R or equivalent.
Taught: Fall and spring
Review and evaluation of psychological tests used in preschool, educational, clinical, legal, and work settings to assess abilities, achievement, cognitive impairment, emotions, intelligence, learning, skills, career interests, and personality.
Repeatable: No
♦

PSY 309 Psychology of Perception (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable, check with department
Current theories and research in understanding visual perception of color, movement, and illusions; perception in other sensory modalities.
Repeatable: No
♦

PSY 311 Biopsychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Basic assumptions, theories, and empirical data relating neurobiological mechanisms and psychological processes of behavior; structural functional relationship of parts of the nervous system and their role in behavior.
Repeatable: No
♦

PSY 311L Biopsychology Laboratory (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): PSY 210 or equivalent.
Prerequisite OR Co-requisite: PSY 311 or equivalent.
Taught: Fall and spring
Laboratory to accompany PSY 311.
Repeatable: No
♦

PSY 315 Psychology of Human Sexuality (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable-chck w/dept.
A survey in human sexuality focusing on biological, psychological, behavioral, and developmental issues. Sexual attitudes, values, and gender issues also addressed. Explicit content.
Repeatable: No
♦

PSY 321 Lifespan Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Psychological theory and research on developmental and individual differences across the lifespan in physical, cognitive, personality, and social domains; biological, psychosocial, cultural, and contextual influences on development are also examined. Students with credit for PSY 220, PSY 319, and/or PSY 320 cannot receive credit for PSY 321.
Repeatable: No
♦

PSY 321L Developmental Science Laboratory (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in PSY 210 or equivalent.
Prerequisite OR Co-requisite: PSY 321 or equivalent.
Taught: Variable, check with department
Laboratory to accompany PSY 321.
Repeatable: No
♦

PSY 330 Behavior Modification (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall only
Introduction to applied behavior analysis; the use of operant and classical conditioning to analyze and change behavior.
Repeatable: No
♦

PSY 333 Abnormal Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Symptoms, causes, and treatment of major mental disorders; research methods in psychopathology.
Repeatable: No
♦

PSY 337 Animal Learning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Behavioral methodology, theory, and empirical basis of the scientific study of learning; classical and instrumental conditioning, discrimination and generalization, and the role of reward, punishment, and other motivational variables.
Repeatable: No
♦

PSY 338 Cognitive Processes (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Cognitive methodology, theory, and empirical basis of the scientific study of human memory and information processing; thinking; problem solving; concept formation.
Repeatable: No
♦

PSY 338L Cognitive Processes Laboratory (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in PSY 210 or equivalent.
Prerequisite OR Co-requisite: PSY 338 or equivalent.
Taught: Fall only
Laboratory to accompany PSY 338.
Repeatable: No
♦

PSY 340 Social Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Social perception and social influences on behavior; attribution, attitudes, attraction, aggression, pro-social behavior, compliance, and small groups.
Repeatable: No
♦

PSY 340L Social Psychology Laboratory (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): PSY 210 or equivalent and PSY 340.
Taught: Fall and spring
Laboratory to accompany PSY 340.
Repeatable: No
♦

PSY 344 Industrial/Organizational Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Fall and spring
Psychological principles in business and industry; motivation, job satisfaction, leadership and communication theory, organizational structure, performance appraisal, personnel testing and selection, training, workplace design, and work environment.
Repeatable: No
♦

PSY 345 Human Factors Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Variable, check with department
Humans in the design of manmade objects, facilities, and environments: the human as a system component, human capabilities and limitations, controls and displays, design of aerospace and surface vehicles, and designing for the handicapped.
Repeatable: No
♦

PSY 405 Counseling Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and junior standing.
Taught: Variable, check with department
Techniques of counseling; skills necessary in therapeutic interviewing; selection, application, and evaluation of appropriate goals, strategies, and tactics of counseling.
Repeatable: No
♦

PSY 410 Advanced Research Methods in Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100, C- or better in STA 205 and PSY 210 or PSY 211 and PSY 212.
Taught: Variable, check with department
Extends the discussion of applying experimental (factorial design) and nonexperimental (correlation / regression) methods to research in psychological science. Incorporates the concepts of effect size, margin of error, and confidence intervals and their interpretation to investigate contemporary problems in psychology.
Repeatable: No
♦

PSY 420 Drug Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and junior standing or consent of instructor.
Taught: Variable, check w/ department
Critical examination of historic and contemporary drug policies in the U.S. and other countries. Political, economic, social, and psychological effects of drug policies, with emphasis on empirical evidence regarding the relative effectiveness of the policies. Policies regarding both legal and illegal drugs are included.
Repeatable: No
♦

PSY 421 Psychopharmacology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100.
Taught: Spring only
Detailed analysis of how psychotherapeutic and recreational drugs affect the brain and behavior. Introduction to central nervous system structure and function, the biological basis of drug action in the brain, and the behavioral, clinical, and side-effect profiles of psychoactive drugs.
Repeatable: No
♦

PSY 423 Evaluating Treatment for Substance Use Disorders (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and junior standing or consent of instructor.
Taught: Variable, check with department
This course will involve a critical examination of how substance use disorders (SUDs) are typically treated in the U.S. and how research indicates they should be treated. Students will learn to identify and evaluate treatment outcome studies and use the information to make recommendations about how treatment of SUDs may be improved.
Repeatable: No
♦

PSY 465 Health Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100 and junior standing.
Taught: Fall and spring
Guided readings, discussions, and evaluations of scientific literature on health and health related behaviors; understanding psychological, social, and biological determinants of health; multi-

disciplinary focus.
Repeatable: No

♦

PSY 465L Clinical Health Psychology Laboratory (2 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): C- or better in PSY 210 or equivalent.
Prerequisite OR Co-requisite: PSY 465 or equivalent.
Co-requisite(s): PSY 465 , or PSY 333 , or equivalent.
Taught: Variable, check with department
Laboratory to accompany PSY 465.
Repeatable: No

♦

PSY 492 Research: Psychology (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): consent of instructor and psychology chair prior to registration.
Taught: Fall and spring
Individually supervised research in an area of faculty expertise; readings, design, data collection, analyses, report writing or presentation of findings. Specific activities assigned by instructor. No more than 6 semester hours of PSY 492 and/or PSY 499 may be applied toward certification of the major.
Repeatable: Yes
If Repeatable, Max. Credits: No limit

♦

PSY 494 Topics: Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PSY 100
Taught: Fall and spring
Seminar course; topic listed in Schedule of Classes each semester. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PSY 495 Study Abroad in Psychology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Study abroad course; topic listed in Schedule of Classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

PSY 496 Practicum in Psychology (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): PSY 100, junior standing, and consent of instructor.
Taught: Fall, spring, and summer
Supervised practical experience within the field of psychology and psychology-related areas. Students observe and shadow working professionals and apply classroom knowledge to practical work settings and environments. No more than 6 semester hours of PSY 496 may be applied toward certification of the major.
Repeatable: Yes
If Repeatable, Max. Credits: No limit

♦

PSY 497 Honors Project in Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to Honors in Psychology program.
Taught: Variable, check with department
Supervised development, implementation, analysis, and reporting of an empirical study.
Repeatable: Yes
If Repeatable, Max. Credits: 6

Available High Impact Practices: research/creativity

♦

PSY 499 Independent Study in Psychology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and psychology chair prior to registration.
Taught: Variable, check with department
Individually supervised areas of study; archival research, experiments, surveys, and/or applied projects. Specific activity is student initiated and in consultation with instructor. No more than 6 semester hours of PSY 492 and/or PSY 499 may be applied toward certification of the major.
Repeatable: Yes
If Repeatable, Max. Credits: No limit

♦

PSY 501 I-O Discussion Forum (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MSIO psychology program or consent of MSIO psychology director.
Taught: Fall only
Introduction to I-O program, development of community and support; survey of I-O psychology; discussion of historical, ethical, legal and current newsworthy issues; clarification and elaboration of program requirements, intentions and philosophy.
Repeatable: No

♦

PSY 550 Organizational Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MSIO psychology program or consent of MSIO psychology director.
Taught: Fall only
Introductory graduate level study in organizational psychology; commitment, involvement, satisfaction, motivation, leadership, power, quality of worklife, and groups/teams.
Repeatable: No

♦

PSY 570 Work Environments (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MSIO psychology program or consent of MSIO psychology director.
Taught: Spring only

Introduction to human factors psychology; ergonomics; occupational health and safety; physical and psychological factors influencing the workplace.
Repeatable: No

♦

PSY 580 Cognition in the Workplace (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MSIO psychology program or consent of MSIO psychology director.
Taught: Spring only
Judgment and decision-making, heuristics, biases, persuasion, prejudice, diversity, values, and attitude measurement.
Repeatable: No

♦

PSY 595 Topics: Study Abroad in Psychology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Study abroad course; topic listed in Schedule of Classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

PUBLIC ADMINISTRATION

PAD 420 Managing the Not-For-Profit Organization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Spring only
Development and characteristics of the not-for-profit organization; managerial challenges; application of relevant theories to the not-for-profit organization; organization, staffing, planning, programming, evaluating, board-staff relations; managing volunteers.
Repeatable: No

♦

PAD 500 Foundations of Public Administration (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program or consent of MPA director.
Taught: Fall and spring
Overview of key theories and concepts in the discipline of public administration; introduction to economic theories and concepts relevant to public administration and public policy; and review of research design and basic statistics.
Repeatable: No

♦

PAD 501 Human Resource Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program or consent of MPA director.
Taught: Fall and spring
Principles and problems of recruitment, examination, rating, classification, and assignment to the job; philosophies of employee pay, promotion, motivation, and discipline; formulating and administering personnel policies, concepts, and principles; focus on American national, state, and local government systems as well as non-profit agencies.
Repeatable: No

♦

PAD 511 Budgeting Techniques and Applications (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program, Nonprofit Management certificate, Emergency Management certificate, or consent of MPA director.
Taught: Fall and spring
Advanced treatment of budgetary techniques and applications, such as program budgeting and zero-base budgeting; financial planning and revenue estimation techniques; tax and expenditure types; debt financing; financial reporting.
Repeatable: No

♦

PAD 560 Planning and Community Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program or consent of MPA director.
Taught: Variable, check with department
Statutory and structural framework for urban planning and development; technical, social, political, and economic elements in the governmental planning process; planning theories and regulatory techniques; growth management; urban redevelopment.
Repeatable: No

♦

PAD 561 Local Economic Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to the MPA program or consent of MPA director.
Taught: Variable, check with department
This course takes an in-depth look at local economic development theory, the processes of economic development planning, and strategies for economic development.
Repeatable: No

♦

PAD 582 Emergency Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program, Emergency Management certificate, or consent of MPA director.
Taught: Summer only
This course provides an overview of disaster preparedness, response, and recovery. Students will learn how to evaluate governmental and non-governmental agencies involved in managing a disaster including communications, basic budgeting, funding issues, operations coordination, and best practices.
Repeatable: No

♦

PAD 594 Topics: Public Service (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to MPA program or consent of MPA director.
Taught: Variable, check with department
Specialized topics in public administration; intensive reading,

cases, and simulation. May be repeated once as topic varies.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

PAD 596 Internship in Public Service (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of program coordinator
Taught: Variable, check with department
An opportunity for students to expand their professional experience and learn about government, nonprofit, and related organizations. Requirements are coordinated among student, program coordinator, and organization.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

PAD 599 Independent Study in Public Service (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of program coordinator.
Taught: Variable, check with department
Specialized topics in public administration covered through intensive readings and/or field projects; at the direction of a specific instructor. May be repeated as projects vary.
Repeatable: No
♦

PUBLIC RELATIONS

PRE 275 Principles of Public Relations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): JOU 110 or EMB 100, or consent of instructor.
Taught: Fall and spring
Philosophy and functions of public relations practices; campaign planning and public affairs activities; writing messages for and selection of news media.
Repeatable: No
♦

PRE 300 Event Planning and Messaging (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): Junior standing
Taught: Spring only, even years
Hands-on experience in planning, promoting, executing, evaluating events that fulfill a public relations purpose. Students gain an understanding of different types of events, the public relations purposes events fulfill, planning and logistics of executing events, messaging strategies promoting events; and evaluation methods to determine events' success in meeting public relations goals.
Repeatable: No
♦

PRE 355 International Public Relations (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): PRE 275
Taught: Fall only, even years
This course recognizes and emphasizes the "world's many variations of thought, action, and effect." Topics include cultural, economic, and political issues that are likely to influence public relations activities taking place in international contexts. The roles of international professional associations, human rights, tourism, and protectionism are examined.
Repeatable: No
♦

PRE 365 Client Operations and Processes (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): Junior standing
Taught: Spring only, odd years
This course considers the communication plan as it relates to client business operations. Calling attention to client business planning and strategy, forecasting, procurement, start-up terminology and other operational concepts, students are immersed in the practitioner-client relationship building process.
Repeatable: No
♦

PRE 376 Public Relations Writing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: PRE 275 and JOU 220
Taught: Fall only
Instruction and practice in various forms of writing for public relations, including press releases, annual reports, newsletters, and other professional public relations writing for the media and the public.
Repeatable: No
♦

PRE 377 Public Relations Case Studies and Campaigns (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PRE 275.
Taught: Spring only
Evaluation of public relations programs conducted by companies, nonprofit institutions, and government agencies; writing for specialized and mass media in public relations.
Repeatable: No
Available High Impact Practices: research/creativity
♦

PRE 385 Public Relations Research Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PRE 275.
Taught: Fall only
This course includes qualitative and quantitative research designs as related to public relations research, specifically teaching skills such as communication audits, issue tracking, use of external research services, media and clipping analysis, evaluating and reporting program effectiveness and evaluating counselor and staff performance.
Repeatable: No
Available High Impact Practices: research/creativity
♦

PRE 394 Topics in Public Relations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic, check with Instructor.
Taught: Variable, check with department

Focused study of a specific and significant topic from a public relations perspective. Topics vary from semester to semester and may be repeated once for credit.
Repeatable: Yes
If Repeatable, Max. Credits: 6

PRE 396 Public Relations Internship (3 credits)
Hours: 0 classroom + 12 lab/studio
Prerequisite(s): PRE 376; written consent of supervising faculty member; junior or senior standing.
Taught: Fall, spring, and summer
Selected placement, for P.R. majors, in a public relations agency, department, or other employer of P.R. professionals. Assigned work in a business, non-profit, or government organization may include writing, production, or promotion. May not be repeated for credit.
Repeatable: No
Available High Impact Practices: internship
♦

PRE 400 Public Relations Planning and Account Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): PRE 275.
Taught: Spring only
This course facilitates the study and practice of consultative client-practitioner relations in public relations contexts. Account management and its various time-tracking and billing methods are kept in the foreground and considered for their likely influence throughout the client-practitioner lifecycle. Topics include inter-organizational relations, supply chain architectures, planning and budgeting, proposal writing and presentation, and business ethics.
Repeatable: No
Available High Impact Practices: research/creativity
♦

PRE 415 Public Relations Metrics and Tools (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): PRE 275 *and junior standing*
Taught: Fall only, odd years
This research-focused course begins with a conceptualization of public relations measurement as practiced by media, practitioners, and client organizations. Coursework is designed to be in line with current industry expectations. Students will complete analytical projects using software tools in group and lab settings.
Repeatable: No
♦

PRE 492 Directed Research (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Junior Standing or Instructor Permission
Taught: Variable, check with department
Research/creative experience that culminates in completion of one of the following: at least one peer-reviewed presentation/publication, an exhibition/performance, or at least one mentored, out-of-class presentation that exhibits the student's project outcomes.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

PRE 495 Study Abroad (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Varies by topic. Course includes a classroom portion and a trip abroad.
Repeatable: Yes
If Repeatable, Max. Credits: 12
♦

PRE 499 Independent Study in Public Relations (1-3 credits)
Hours: 0 classroom + 4 -12 lab/studio
Prerequisite(s): junior standing; approved independent study proposal.
Taught: Variable, check with department
Individually supervised work involving reading, research, writing, and/or production in a specified area of interest of public relations. Topic and plan of study selected before registration in conference with professor.
Repeatable: Yes
If Repeatable, Max. Credits: 6
♦

RADIOLOGIC SCIENCE

RAD 200 Introduction to Radiography (6 credits)
Hours: 5 classroom + 1 lab/studio
Prerequisite(s): Admission to radiologic technology program.
Taught: Summer only
Introduction to program and profession; fundamental radiography principles and procedures; radiography of the chest and abdomen; foundation for all core radiography courses; orientation to clinical policies and procedures; observation of radiographic examinations under direct supervision by registered technologists at clinical sites.
Repeatable: No
♦

RAD 208 Radiographic Procedures I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 200.
Co-requisite(s): RAD 208L.
Taught: Fall only
Radiographic anatomy, positioning, and image analysis of the appendicular skeleton, shoulder and pelvic girdles, and vertebral column to include routine, nonroutine, trauma and surgical radiography.
Repeatable: No
♦

RAD 208L Radiographic Positioning Laboratory I (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): RAD 208.
Taught: Fall only
Radiographic positioning of the appendicular skeleton, pelvic and

shoulder girdles, and lower vertebral column (lumbar, sacrum and coccyx) using simulation and phantoms; supervised practice and image analysis. Pass/fail only.
Repeatable: No

RAD 209 Radiographic Procedures II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RAD 208.
Co-requisite(s): RAD 209L.
Taught: Spring only
Continuation of RAD 208. Introduction to contrast studies; radiographic anatomy, positioning, and image analysis of the cervical and thoracic spine, gastrointestinal, biliary and urinary systems, bony thorax, and cranium.
Repeatable: No
♦

RAD 209L Radiographic Positioning Laboratory II (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): RAD 209.
Taught: Spring only
Radiographic positioning of the cervical and thoracic spine, gastrointestinal, biliary, and urinary systems, bony thorax, and cranium using simulation and phantoms; supervised practice and film critique. Pass/fail only.
Repeatable: No

RAD 214 Analysis of Radiographic Quality (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 200.
Co-requisite(s): RAD 214L.
Taught: Fall only
Principles of radiographic exposure variables and processing; analysis of the radiographic image; problem-solving approach to practical application of principles.
Repeatable: No
♦

RAD 214L Analysis Radiographic Quality Laboratory (1 credit)
Hours: 0 classroom + 2 lab/studio
Prerequisite(s): C or better in RAD 200.
Co-requisite(s): RAD 214.
Taught: Fall only
Laboratory demonstration and experimentation coordinated with principles taught in RAD 214.
Repeatable: No
♦

RAD 216 Physical Principles of Radiographic Equipment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 214.
Taught: Spring only
Principles of electromagnetism and the relationship to radiographic circuitry and equipment; construction and design of radiographic, fluoroscopic, mammographic, tomographic, and digital equipment.
Repeatable: No
♦

RAD 230 Communication and Patient Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 200 or RTT 200
Taught: Spring only
Methods of professional communication relative to health care delivery; including professionalism, ethical and legal issues, charting, health informatics, interprofessionalism, and culture and diversity related to healthcare communication. Assessment of and care for patients during procedures, including vital signs, minor and major emergencies, patient safety, and overall patient care.
Repeatable: No
♦

RAD 286 Radiographic Practicum I (3 credits)
Hours: 1 classroom + 16 lab/studio
Prerequisite(s): RAD 200.
Taught: Fall only
Clinical application of principles of radiographic positioning, technique, and radiation protection; competency in chest, abdominal, appendicular skeleton, lumbar spine, shoulder, and pelvic girdle radiography. Conducted under supervision of registered radiographers and clinical faculty.
Repeatable: No
♦

RAD 296 Radiographic Practicum II (3 credits)
Hours: 1 classroom + 16 lab/studio
Prerequisite(s): C or better in RAD 286.
Taught: Spring only
Clinical application of principles of radiation protection and of radiographic positioning and technique; competency in portable radiography and in radiography of the cervical and lumbar spine, bony thorax, cranium and G-U and G-I systems. Conducted under supervision of registered radiographers and clinical faculty.
Repeatable: No
♦

RAD 299 Independent Study in Radiology (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Individual readings, research, and/or clinical based coursework developed by the student in consultation with the instructor and approved by the radiologic technology program director prior to registration.
Repeatable: No

RAD 307L Advanced Radiography Lab (1 credit)
Hours: (0 classroom + 2 lab/studio)
Prerequisite(s): RAD 209
Taught: Fall only
This lab provides opportunity for hands-on practice of advanced radiography concepts, beyond basic anatomy and positioning labs. Practice will include trauma, surgical, mobile and non-routine radiographic exams, sterile technique and venipuncture, radiation safety, technical factor manipulation and advanced image analysis.
Repeatable: No
♦

RAD 308 Radiographic Procedures III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 209.
Taught: Variable, check with department
Specialized non-vascular radiographic procedures, including trauma radiography, HSG, myelography, arthrography, vertebroplasty, renal and biliary exams. Informed consent process, aseptic techniques, and venipuncture will also be covered. Additional topics include best practices for imaging exams on pediatric, geriatric and bariatric patients.
Repeatable: No
♦

RAD 309 Radiographic Procedures IV (2 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 308
Taught: Spring only
Overview of vascular interventional radiographic procedures and associated equipment; additional topics include pharmacology, medicine administration, venous access devices,and patient monitoring and assessment. Also includes an introduction to specialized imaging modalities, including mammography, diagnostic medical sonography, magnetic resonance imaging, nuclear medicine and radiation therapy.
Repeatable: No
♦

RAD 310 Advanced Imaging Sectional Anatomy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in BIO 208 and BIO 209 or consent of instructor.
Taught: Variable, check with department
Cross-sectional human anatomy of the head, neck, thorax, abdomen, pelvis, spine, and extremities, as demonstrated on CT and MR images.
Repeatable: No
♦

RAD 340 Radiation Biology and Protection (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 216.
Taught: Fall only
Biological effects of ionizing radiation; radiation safety requirements and procedures; laboratory demonstration/experimentation.
Repeatable: No
♦

RAD 350 Clinical Pathology for Radiographers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 303 and BIO 209.
Taught: Spring only
Anatomy, pathology, and mechanisms of disease with its radiological manifestation in radiographic studies; case studies; radiology presentations.
Repeatable: No
♦

RAD 376 Radiographic Practicum III (2 credits)
Hours: 0 classroom + 16 lab/studio
Prerequisite(s): C or better in RAD 296.
Taught: Summer only
Clinical application of principles of radiation protection and of radiographic positioning and technique; competency in radiography of the skeletal and digestive systems. Five-week internship that includes a one-week evening assignment; conducted under supervision of registered radiographers and clinical faculty.
Repeatable: No
♦

RAD 386 Radiographic Practicum IV (3 credits)
Hours: 1 classroom + 16 lab/studio
Prerequisite(s): C or better in RAD 376.
Taught: Fall only
Clinical application of principles of radiographic positioning, technique, and radiation protection; competency in surgical and non-routine radiography and continued competency in routine skeletal and contrast studies. Conducted under supervision of registered radiographers and clinical faculty.
Repeatable: No
♦

RAD 396 Radiographic Practicum V (3 credits)
Hours: 0 classroom + 24 lab/studio
Prerequisite(s): C or better in RAD 386.
Taught: Spring only
Clinical application of principles of radiographic positioning, technique, and radiation protection; introduction to advanced medical imaging modalities; continued competency development in non-routine radiography. Conducted under supervision of registered radiographers and clinical faculty.
Repeatable: No
♦

RAD 450 Advanced Imaging Pathology (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Anatomy, pathology, and mechanisms of disease with its radiological manifestation in nuclear medicine, CT, MRI, cardiac and vascular imaging, ultrasound, doppler, and mammography studies; case studies; radiology presentations.
Repeatable: No

RAD 460 Principles of Mammography 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RAD 308 or consent of the instructor
Taught: Variable, check with department
Theory, principles, and applications of mammography, including instrumentation, equipment, and exam procedures. Meets structured education requirements for ARRT.
Repeatable: No

RAD 470 Principles of Computed Tomography (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 396.
Taught: Variable, check with department
Theory, principles, and applications of, computed tomography,

including instrumentation, equipment, and exam procedures.
Repeatable: No

♦

RAD 480 Radiography Capstone (3 credits)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): C or better in RAD 340.
Taught: Spring only
Comprehensive review and assessment of essential concepts in radiography; preparation for the ARRT examination.
Repeatable: No

♦

RAD 486 Clinical Practicum VI (3 credits)
Hours: 0 classroom + 24 lab/studio
Prerequisite(s): C or better in RAD 396.
Taught: Fall only
Clinical application of general radiography with first of two concentrations in an advanced imaging modality, pediatrics, or non-hospital clinical setting; conducted under supervision of registered technologists and clinical faculty.
Repeatable: No

♦

RAD 494 Topics: Radiology (3 credits)
Hours: 3-6 classroom + 0 lab/studio
Taught: Variable, check with department
Repeatable: No

RAD 496 Radiographic Practicum VII (3 credits)
Hours: 0 classroom + 24 lab/studio
Prerequisite(s): C or better in RAD 486 .
Taught: Spring only
Clinical application of general radiography with concentration in an advanced imaging modality, pediatrics, or non-hospital setting; conducted under supervision of registered technologists and clinical faculty. Continuation of RAD 486.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

RAD 499 Special Topics Radiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Intensive study of a special topic or issue in radiologic technology through independent study.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

RTT 200 Introduction to Radiation Therapy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major.
Taught: Fall only
Provides an introductory framework of radiation therapy. Topics include: patient care, introductory ethics and law as applied to radiation oncology and primary methods of cancer treatment.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 208 Clinical Oncology I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major.
Taught: Fall only
Overview of cancer and the specialty of radiation therapy.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 209 Clinical Oncology II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major and RTT 208.
Taught: Spring only
Radiation therapy specific instruction on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread, principles of treatment, staging, and prognosis for Palliative and Emergency Treatment, Breast, Male Reproductive, Gynecologic, Respiratory, CNS and ENT.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 214 Radiation Therapy Simulation Lab (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major.
Taught: Fall only
The class will combine both a didactic and laboratory components. Students will practice basic set ups skills of patients in a laboratory setting. Basic skills covered will include: patient identification, safe movement of a patient, infection control, reproduction of a patient set-up.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 220 Radiation Physics I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major.
Taught: Fall only
This is the first course in a sequence of two courses to include the physics of ionizing radiation and physical aspects of classical radiation therapy.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 221 Radiation Physics II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major; RTT 220.
Taught: Spring only
This is the final course of a sequence of two courses to include the physics of ionizing radiation, physical aspects of classical radiation

therapy; as well as, the application of the physical aspects to modern radiation oncology.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 286 Radiation Therapy Practicum I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major and RTT 200.
Taught: Fall only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 296 Radiation Therapy Practicum II (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major and RTT 286.
Taught: Summer only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 308 Clinical Oncology III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation Therapy Major and RTT 209.
Taught: Fall only
Radiation therapy specific instruction on the regional anatomy and physiology, epidemiology and etiology, detection and diagnosis, diagnostic procedures, histopathology, patterns of spread, principles of treatment, staging, and prognosis for endocrine, bone, soft tissue sarcomas, lymphomas, hematopoietic, digestive, genitourinary, pediatrics, skin, AIDS related cancers and benign tumors.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 320 Treatment Planning I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 221.
Taught: Fall only
Radiation therapy treatment planning concepts to include clinical dosimetry, treatment preparation processes, beam modifying devices, isodose charts, and calculations of various external beam treatment formulas.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 321 Treatment Planning II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 320.
Taught: Spring only
Radiation therapy treatment planning concepts to include clinical dosimetry, electron beams, brachytherapy and radiosurgery.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 340 Radiation Biology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 221.
Taught: Fall only
Content is designed to present basic concepts and principles of radiation biology. The effects of ionizing radiation effects on tissue.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 341 Radiation Therapy Protection (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 340.
Taught: Spring only
This course will provide principles concerning the hazards of radiation and address potential methods to reduce this risk. The roles of the various radiation regulatory agencies will also be discussed.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 376 Radiation Therapy Practicum III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 296.
Taught: Fall only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 386 Radiation Therapy Practicum IV (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 376.
Taught: Spring only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes

If Repeatable, Max. Credits: 3

♦

RTT 396 Radiation Therapy Practicum V (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 386.
Taught: Summer only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 2

♦

RTT 470 Imaging Modalities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 321.
Taught: Fall only
Basic principles of x-ray equipment, exposure factors, and image production are presented. The theory and mechanics of CT, PET, Ultrasound & MRI imaging are covered. CT imaging will be emphasized.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 480 Radiation Therapy Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major, Senior standing.
Taught: Spring only
Discussion and analysis of specific radiation science theories, review and critique journal articles and prepare for the national certification exam.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 486 Radiation Therapy Practicum VI (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 396.
Taught: Fall only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

RTT 496 Radiation Therapy Practicum VII (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Radiation therapy major and RTT 486.
Taught: Spring only
Competency-based clinical application of principles in radiation therapy to include oncology terminology, equipment, techniques used for treatment, and direct patient care. Conducted under the supervision of registered radiation therapists and clinical faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 3

♦

READING WORKSHOP

RDG 110 Critical Reading (1 credits)
Hours: 1 classroom + 0 lab/studio
Taught: Fall and spring
Development of active and critical reading strategies including summary, comparison and analysis. Provides preparation for general education courses in a variety of disciplines.
Repeatable: No

RELIGIOUS STUDIES

REL 200 World Religions and Cultures - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
This course is to introduce students to one or more of the following religions: Indigenous Sacred Ways, Hinduism, Jainism, Sikhism, Buddhism, Confucianism, Taoism, Shintoism, Judaism, Christianity, Islam. The historical development of the religions studies, the major beliefs and the interactions within and between cultures will be considered.
Repeatable: No
General Education Credit: Culture and Creativity

REL 301 Ancient Religions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
A comparative journey through religious ideas and practices in lands around the Mediterranean from pre-history to the Fall of Rome will include recognition of the transmission of many aspects of culture from east to west.
Repeatable: No

♦

REL 302 Survey of the Hebrew Bible (Old Testament) (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Major figures, main themes, basic values, and primary beliefs found in the Hebrew Bible in its religious, philosophical, political and historical contexts.
Repeatable: No

♦

REL 303 Survey of New Testament (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Major figures, main themes, basic values and primary beliefs of New Testament writings in their religious, philosophical, political

and historical contexts.
Repeatable: No

♦

REL 304 Jesus (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
An examination of the life and teachings of Jesus of Nazareth through biblical accounts, non-canonical sources, creedal statements, historical research, contemporary debates, and the personal perspectives of students.
Repeatable: No

♦

REL 305 Islam (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
This course is both historical and topical in its treatment of Islam. Our first emphasis will be on the life and career of Prophet Muhammad, the teachings of the Qur'an, the development of the Muslim community and its principal institutions to about 1300 CE. Topically we will cover the Qur'an, the basic beliefs and practices of Islam, and Sufism (Islamic mysticism). We will also consider the current situation in the Islamic world and the Islamic community.
Repeatable: No

♦

REL 306 Introduction to Judaism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Introduction to the history of Judaism, major beliefs, branches, ceremonies and rituals central to contemporary Jewish life. This course is sponsored by the Jewish Chautaugua Society.
Repeatable: No

♦

REL 307 Survey of Christianity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Main beliefs, figures, orientations and branches of the Christian tradition; contemporary movements and issues.
Repeatable: No

♦

REL 317 Catholicism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Introduction to Catholicism. What Catholics believe and why they believe it.
Repeatable: No

♦

REL 325 Celtic Christianity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
An examination of the nature of Celtic spirituality from pre-Christian Celtic beliefs through the unexpected rise of Christianity in Celtic soil as the Roman Empire collapsed. Celtic prayers and loricas will be important source material, as will the stories of Patrick, Pelagius, Columba, George MacLeod and others.
Repeatable: No

♦

REL 335 Spiritual Images In Pop Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
An exploration of various images, symbols and spiritual themes such as creation, sin, salvation, human destiny and metaphors for the Divine as depicted in films, comic books, television and/or other media of popular culture.
Repeatable: No

♦

REL 352 Women and Religion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
The position/status and roles of women in religious groups as seen in their roles in ritual, religious life, scriptures, myths and theologies.
Repeatable: No

♦

REL 370 Religion and Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of instructor.
Taught: Variable, check with department
Various approaches to the relationship between religion and science; historical conflict; the developing dialogue between religion and science; cosmology; evolution. The course seeks to introduce students to a wide range of concerns and does not presuppose detailed knowledge of religion or science. Same as PHI 370 Science and Religion.
Repeatable: No

♦

REL 371 Death and the Afterlife (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
Various conceptions of an afterlife (disembodied existence, reincarnation, and resurrection) are examined with regards to the meaning and evidence for the positions. Topics include discussions of personal identity, near death experiences, the nature of consciousness.
Repeatable: No

♦

REL 394 Topics: Religious Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing or consent of the instructor.
Taught: Variable, check with department
In-depth examination of a major thinker, school, or issue in

religious studies. Topic announced in Schedule of Classes. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

REL 499 Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individually supervised readings and study of a selected topic.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

REL 594 Topics In Religious Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Selected topics in religious studies. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

REL 599 Independent Study (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individually supervised readings and study of a selected topic in religious studies. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

RESPIRATORY CARE

RSP 201 Fundamentals of Respiratory Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to respiratory care program.
Co-requisite(s): RSP 201L and RSP 286.
Taught: Fall only
Introductory respiratory care theory and procedures; basic respiratory system anatomy and physiology, administration procedures for aerosolized medications; theory and equipment for oxygen therapy, pulse oximetry, hyperinflation therapy, and mucous clearance techniques.
Repeatable: No

♦

RSP 201L Respiratory Care Equipment and Procedures (1 credit)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): RSP 201.
Taught: Fall only
Demonstration and practice in basic respiratory care procedures; proper body mechanics, patient assessment, administration of oxygen therapy, bland aerosol therapy, incentive spirometry, aerosolized medication, and mucus clearance techniques.
Repeatable: No

RSP 202 Medical Terminology for Health Professions (1 credit)
Hours: 1 classroom + 0 lab/studio
Co-requisite(s): RAD 208 or RSP 201.
Taught: Fall only
Independent learning of word parts, including prefixes, suffixes, and roots, and the combination of these parts to form complex symptomatic, diagnostic, operative, and therapeutic medical terms related to the language of allied health professions; approved medical abbreviations will also be included.
Repeatable: No

RSP 205 Respiratory Care Pharmacology (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department.
This course includes a study of pharmacologic agents used in cardiopulmonary care. This would include the principles of pharmacological therapy, drug dosages, and the safe and effective administration of these agents.
Repeatable: No

RSP 220 Intro to Respiratory Critical Care (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): RSP 201 and RSP 201L with grades of C or better.
Prerequisite OR Co-requisite: BIO 209 and BIO 209L.
Taught: Spring only
Theory, application and demonstration of procedures and equipment used for advanced respiratory care and emergency procedures, airway management, non-invasive ventilator support, arterial blood gas collection, ECG arrhythmia recognition and treatment.
Repeatable: No

♦

RSP 235 Respiratory Physiology and Physics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RSP 201, RSP 201L, BIO 208 and BIO 208L.
Co-requisite(s): BIO 209 and BIO 209L.
Taught: Spring only
Functional anatomy of respiratory systems structures; mechanics and control of ventilation; pulmonary blood flow and the matching of ventilation with profusion; acid-balance and the interpretation of blood gases; oxygen transport and the concepts of shunting and dead space; physics of gasses applicable to respiratory care.
PREREQ OR
Repeatable: No

♦

RSP 286 Clinical Practicum I (3 credits)
Hours: 0 classroom + 24 lab/studio
Co-requisite(s): RSP 201 and RSP 201L.
Taught: Fall only
Professionally supervised experience in basic respiratory care procedures in acute-care hospitals: oxygen administration, lung expansion therapies, aerosolized medication administration, and mucus clearance techniques; proper documentation and

preparation of clinical case reports.
Repeatable: No

RSP 296 Clinical Practicum II (3 credits)
Hours: 0 classroom + 24 lab/studio
Prerequisite(s): RSP 286.
Co-requisite(s): RSP 220- RSP 220L.
Taught: Spring only
Professionally supervised experience in basic and intermediate respiratory care procedures; suctioning, hand ventilation, arterial puncture, phlebotomy, CPR, and care of patients with artificial airways; developing skill in time management, organization and effective communication with other healthcare professionals.
Repeatable: No
♦

RSP 299 Independent Study: Respiratory Care (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Individually supervised work involving readings, research, and/or clinical activities in areas of special interest or need. Topics, activities, and evaluation procedures specified by instructor and approved by program director prior to registration.
Repeatable: Yes
If Repeatable, Max. Credits: 6

RSP 310 Introduction to Mechanical Ventilation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RSP 220.
Taught: Variable, check with department.
This course provides instruction, demonstration, and practice in the theory, set-up, operation and maintenance of mechanical ventilators and related equipment. Topics include: mechanical ventilator theory for adults, ventilator operation, ventilator maintenance and trouble shooting.
Repeatable: No
♦

RSP 310L Mechanical Ventilation Lab (1 credits)
Hours: 0 classroom + 2 lab/studio
Co-requisite(s): RSP 310
Taught: Variable, check with department.
This course is the laboratory component of RSP 310 Introduction to Mechanical Ventilation. This course provides the student the opportunity to apply the concepts presented in RSP 310 and demonstrate an understanding of mechanical ventilation set-up, management, and discontinuation.
Repeatable: No

RSP 331 Cardiopulmonary Diagnostics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RSP 310.
Taught: Fall only
Overview of the various areas comprising cardiopulmonary diagnostics to include normal and abnormal pulmonary function and related technology; emphasis will be on performance, interpretation, and evaluation of pulmonary function studies; operation and maintenance of pulmonary function and gas analysis equipment; other topics include sleep laboratory, stress and exercise testing, metabolic testing, ventilation/perfusion scanning, cardiac catheterization laboratory, and non-invasive cardiology.
Repeatable: No
♦

RSP 340 Pulmonary Rehabilitation (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Spring only
Components of a pulmonary rehabilitation program; physiological and psychosocial problems of patients with chronic pulmonary disease; design and implementation of a program of education and exercise tailored to meet needs of the individual patient.
Repeatable: No

RSP 350 Cardiopulmonary Pathophysiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Assessment techniques for pulmonary disease patients including history taking, chest physical exam, basic radiography, lab study, and PFT interpretation, pulmonary and critical care medicine, obstructive and restrictive pulmonary disease, cardiac and cardiovascular disorders, neurologic and neuromuscular disorders, shock, trauma, sepsis, near drowning, burns, smoke inhalation, carbon monoxide poisoning, drug overdose, renal failure, acute G.I. disturbances, and respiratory care of the post-operative patient will be reviewed.
Repeatable: No

RSP 362 Prenatal-Pediatric Respiratory Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RSP 310.
Taught: Fall only
Prenatal lung development, fetal circulation, and changes at birth; differences in respiratory anatomy and physiology between young children and adults; specialized techniques of airway management and artificial ventilation; applications of respiratory system monitoring and therapeutic modalities; respiratory diseases commonly seen in pediatrics.
Repeatable: No
♦

RSP 386 Clinical Practicum III (3 credits)
Hours: 0 classroom + 16 lab/studio
Prerequisite(s): RSP 296.
Co-requisite(s): RSP 310.
Taught: Fall only
Artificial ventilation to patients on life support; initial ventilator set-up, control adjustments, monitoring, circuit changes, and weaning; further experience with artificial airways and routine respiratory care procedures in the critical care setting.
Repeatable: No
♦

RSP 396 Clinical Practicum IV (3 credits)
Hours: 0 classroom + 16 lab/studio
Prerequisite(s): RSP 296 and RSP 362.
Co-requisite(s): RSP 331.
Taught: Fall only
Further experience in applications of respiratory care in the intensive care unit, cardiopulmonary monitoring, applications of

pulmonary rehabilitation, pediatric respiratory care.
Repeatable: No

♦

RSP 400 Advanced Respiratory Care (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Admission to Respiratory Care BS Completion Program.
Taught: Variable, check with department
Demonstration of cognitive, critical thinking, and technical skills in respiratory care; relationship between the therapist, physician, nurse, and other healthcare professionals to foster behavior of the respiratory therapist.
Repeatable: No

♦

RSP 430 Advanced Pathophysiology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RSP 350.
Taught: Variable, check with department
Focus on competencies for RRT practicing in the critical care setting; administration of specialty gases, advanced airway management and ventilation techniques, recognition of mechanisms of respiratory failure; end of life care; disaster preparation; anticipation of care based on pharmacologic agents, and other diagnostic procedures.
Repeatable: No

♦

RSP 441 Case Studies in Evidence Based Practice (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RSP 350.
Taught: Variable, check with department
Students will review the delivery of health care to chronically ill patients with lung and heart disorders with emphasis on the respiratory care; patient case reviews will utilize a multidisciplinary approach to case management and responsibilities unique to the respiratory therapist.
Repeatable: No

♦

RSP 442 Disease Management II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C or better in RSP 441.
Taught: Variable, check with department
Students will review the rationale and methods used in cardiopulmonary diagnostics and cardiopulmonary rehabilitation in hospital-based programs, long-term care facilities and in the home. Patient case reviews will utilize a multidisciplinary approach to case management and responsibilities unique to the respiratory therapist.
Repeatable: No

♦

RSP 445 Health Assessment and Promotion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: RSP 350.
Taught: Fall and summer
Concepts and applications related to advanced assessment procedures for patients with respiratory impairment; pulmonary rehabilitation, home health care, health assessment, smoking cessation, and health behavior and promotion.
Repeatable: No

RSP 451 Polysomnography I (3 credits)
Hours: 2 classroom + 1 lab/studio
Taught: Variable, check with department
This course is designed to provide both didactic and laboratory training for entry-level personnel in the basics of Polysomnography Technology. Students will become familiar with medical terminology, instrumentation setup and calibration, recording and monitoring techniques, documentation, professional issues, and patient-technologist interactions related to Polysomnographic Technology. Laboratory sessions will provide practical experience.
Repeatable: No

RSP 452 Polysomnography II (3 credits)
Hours: 2 classroom + 2 lab/studio
Taught: Variable, check with department
Presentation and discussion of psychomotor practices related to interpretation of the polysomnogram for adult and pediatric patients. Emphasis on therapeutic equipment, protocols, artifact recognition and troubleshooting of the equipment.
Repeatable: No

RSP 460 Advanced Respiratory Critical Care (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): RSP 310 *with a grade of C or better*
Taught: Variable, check with department
This course covers advanced respiratory critical care skills including but not limited to: advanced mechanical ventilation, invasive and noninvasive airway management, waveform analysis and application, critical care procedures and diagnostics, medical critical care issues, and traumatic critical care issues.
Repeatable: No

♦

RSP 480 Respiratory Care Seminar (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior status in the respiratory care program.
Taught: Spring only
Contemporary ethical and legal issues affecting the practice of respiratory care; effects of managed care and other market forces on departmental operations; resume preparation and other job search skills; preparation for and practice with Entry Level, Written Registry, and Clinical Simulation examinations for self-assessment.
Repeatable: No

♦

RSP 484 Accelerated Respiratory Care Capstone (1.5 credits)
Hours: 1.5 classroom + 0 lab/studio
Prerequisite(s): HSC 421
Taught: Variable, check with department
Under faculty supervision, students are placed with a preceptor to identify and define in writing current, real world, respiratory care clinical or management problems, survey literature related to the problem, design a project/intervention to address the problem, implement the project/intervention, evaluate the effectiveness of the project/intervention.

Repeatable: Yes
If Repeatable, Max. Credits: 3 credits

RSP 485 Respiratory Care Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RSP 396
Taught: Variable, check with department
This course includes experiences in a chosen focus area(clinical, education, administrative, or population-based). This experience will culminate in a Capstone project in the form of research or other scholarly activity that articulates the design, organization, statistics and data analysis used and includes an oral and written presentation of the project.
Repeatable: No

RSP 486 Clinical Practicum V (3 credits)
Hours: 0 classroom + 16 lab/studio
Prerequisite(s): RSP 396.
Taught: Spring only
Experience providing neonatal respiratory care; training in airway management techniques; development of leadership and time management skills; pulmonary rehabilitation, clinical simulations in lab setting, formulate differential diagnosis for case presentations, summative clinical/role transition rotations.
Repeatable: No
♦

RUSSIAN

RUS 101 Elementary Russian I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Fundamentals; introduction to cultures of Russian-speaking countries; basic principles of the Russian language including study of the Cyrillic alphabet, pronunciation, and simple idioms.
Repeatable: No
General Education Credit: Culture and Creativity

RUS 102 Elementary Russian II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RUS 101 or equivalent.
Taught: Spring only
Continuation of RUS 101, with addition of new vocabulary and more complex grammar and idiom forms.
Repeatable: No
♦

RUS 201 Intermediate Russian I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RUS 102.
Taught: Variable, check with department
Continuation of RUS 102, with addition of new vocabulary and more complex grammar and idiom forms, as well as more complex cultural and literary readings.
Repeatable: No
♦

RUS 202 Intermediate Russian II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): RUS 201.
Taught: Variable, check with department
Continuation of RUS 201; advanced vocabulary and more complex grammar and idiom forms, as well as more complex cultural and literary readings.
Repeatable: No
♦

SOCIAL WORK

SWK 105 Social Work & the Community - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Introduction to the social work profession. It explores professional work with diverse individuals, groups, and communities. Each student is provided with an opportunity to evaluate a commitment to, and capacity for, working with others toward social and economic justice for diverse populations.
Repeatable: No
General Education Credit: Cultural Pluralism

SWK 106 Introduction to Social Justice - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring and summer
This class is an introduction to foundational concepts and ethical concerns in social justice studies. Course that promotes critical thinking, multiple perspectives, and a sense of personal responsibility in the local and global community. This course is the first in the sequence for the social justice minor.
Repeatable: No
General Education Credit: Global Viewpoints

SWK 204 Social Work Ethics (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, summer
Prepares the social work professional's knowledge of ethical standards, theories, principles, and the application to generalist social work practice. The course examines specific components of the National Association of Social Workers (NASW) Code of Ethics, ethical theories, and ethical decision-making processes.
Repeatable: No

SWK 205 Inclusion, Oppression, & Social Work 3 credits
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
This course introduces students to selected theories that critically analyze oppression at individual and institutional levels. Various experiences of oppression that limit opportunities and human rights for marginalized groups are explored. Developing self-awareness as well as anti-oppressive policies are emphasized as essential to ethical and effective social work practice.
Repeatable: No

SWK 206 Professional Social Work Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
This class is an introduction to professional communications in social work. Students engage with a variety of materials and opportunities to practice communication in various professional contexts, explore communication skills and strategies with diverse audiences and multiple intended outcomes, and develop

competence in social work communication.
Repeatable: No

SWK 303 Professional Interactional Skills (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Fall only
This course will cover the basic components of effective communication, interpersonal and interactional skills relevant to different types of relationships and systems with which social workers interact. Additionally, this course will include guided communication experiences, self-reflection, and an awareness of barriers that may impede professional interactional skills.
Repeatable: No
♦

SWK 304 Human Behavior in Childhood (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Fall only
This course examines the relationship between human behavior and the social environment in infancy, childhood, and adolescence. It provides a theoretical foundation for social work practice by examining the biological, psychological and sociological factors that influence human development. Special emphasis is placed on human diversity and its influence on behavior.
Repeatable: No
♦

SWK 305 Practice with Individuals (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Fall only
Practice with Individuals prepares students for generalist social work practice. The course emphasizes the mission, values, ethics and knowledge base of social work. The course familiarizes students with major theories, skills and the phases of the helping process with a focus on the individual (micro) level.
Repeatable: No
♦

SWK 306 Contemporary Social Welfare Policy (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission.
Co-requisite(s):
Taught: Fall only
This course introduces students to social welfare policy. Students are taught to become critical consumers of policy implementation within the U.S. and to identify various economic, legal, legislative, and political influences that shape social welfare policy. Students will critically evaluate contemporary social welfare policies through a framework of policy analysis.
Repeatable: No
♦

SWK 307 Human Behavior in Adulthood (3 credits)
Hours: 5 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Spring only
This course examines the relationship between human behavior and the social environment in young, middle, and later adulthood. It provides a theoretical foundation for social work practice by examining the biological, psychological and sociological factors that influence human development. Special emphasis is placed on diversity and its influence on behavior.
Repeatable: No
♦

SWK 308 Social Work Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission.
Taught: Spring only
This course introduces students to social work research methods. Students are taught to become critical consumers of research and are provided with the foundational knowledge to move toward becoming researchers themselves. This course covers the use of quantitative, qualitative, and mixed methods thus laying the foundation for advanced research courses.
Repeatable: No
♦

SWK 310 Practice with Families & Groups (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Deparment permission
Taught: Spring only
Practice with Families and Groups prepares social work students for generalist work in the profession on the mezzo level. Students explore social work engagement, assessment, intervention, and evaluation specific to practice with families and groups.
Repeatable: No
♦

SWK 311 Practice with Communities & Organizations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission
Co-requisite(s):
Taught: Fall only
This course covers knowledge and skills necessary to apply the generalist social work process in working with communities and organizations. Experiences of oppression by members of marginalized communities are examined. The need for self-awareness and understanding of roles social workers and organizations play in promoting human wellbeing are emphasized.
Repeatable: No
♦

SWK 394 Special Topics: Social Welfare (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Minimum of 45 completed credit hours
Taught: Variable, check with department
A specific aspect of social welfare practice or social welfare concern. May be repeated for additional credit, up to 12 semester hours, when topic varies. See Schedule of Classes for current topic, offerings, and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 12

SWK 406 Field Experience I (5 credits)
Hours: 5 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Fall and spring
This is the first field-based course that requires students to complete 200 hours in a community-based agency under supervision of a professional social worker, along with a seminar course. Students apply and integrate generalist social work knowledge and skills, and begin to demonstrate required competencies/practice behaviors for professional practice.
Repeatable: No

♦

SWK 408 Field Experience II (5 credits)
Hours: 5 classroom + 0 lab/studio
Prerequisite(s): Department permission
Taught: Fall and spring
This is the second field-based course that requires students to complete an additional 200 hours in a community-based agency under supervision of a professional social worker, along with a seminar course. Students apply and integrate generalist social work knowledge and skills, and demonstrate required competencies/practice behaviors for professional practice.
Repeatable: No

♦

SWK 410 Child Abuse (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Minimum of 45 completed credit hours
Taught: Variable, check with department
Historical and contemporary perspectives; etiology, assessment, and intervention; differential and complementary roles of professions; approaches to prevention and treatment.
Repeatable: No

SWK 415 Child Welfare PCWCP I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Students in PCWCP program only
Taught: Fall only
This course is designed to provide students with a comprehensive introduction of the dynamics of child maltreatment and the impact on children who are exposed to abuse and neglect. The course will examine the indicators of maltreatment, effective interventions, and social worker's role in a multidisciplinary team approach.
Repeatable: No

SWK 416 Child Welfare PCWCP II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Students in PCWCP program only
Taught: Spring only
This course examines and discusses various practice skills and treatment interventions related to social work with abused and neglected children and their families. Students will have several opportunities to develop their own skills and focus on the development of assessment, intervention, and prevention skills in public child welfare agency involvement.
Repeatable: No

♦

SWK 474 Safety in Social Work Practice (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Minimum of 45 completed credit hours
Taught: Variable, check with department
This variable credit course introduces students to basic safety concepts and practices that are vital to competent social work practice. The course then provides students the opportunity to apply these fundamental skills in various hypothetical practice settings
Repeatable: No

♦

SWK 494 Special Topics: Bachelor of Social Work (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Minimum of 45 completed credit hours
Taught: Variable, check with department
A specific aspect of social work. May be repeated for additional credit, up to 12 semester hours, when topic varies. Additional pre-requisites may apply and varies by topic. See Schedule of Classes for current topic, offerings, and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

SWK 499 Independent Study (1-6 credits)
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Instructor permission.
Taught: Variable, check with department
Individual readings, research, or selected project course developed by the student in consultation with instructor and approved by department chair prior to registration.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

SWK 525 Substance Use & Misuse (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
This course prepares social work students to work with clients experiencing substance use and abuse disorders. Various treatment and rehabilitation programs are critically examined, an overview of ethical and multicultural considerations are addressed, and different types of drugs and their effects are reviewed
Repeatable: No

SWK 565 Compassion, Empathy & Forgiveness (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or graduate standing
Taught: Variable, check with department
This course focuses on the meanings of compassion, empathy and forgiveness and the relationship of these concepts to social justice issues
Repeatable: No

SWK 568 Family-Directed Structural Model (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or graduate standing
Taught: Variable, check with department

This course introduces students to Family-Directed Structural Therapeutic Model and its evolution during the past 20 years. Students receive training in the use of Family-Directed Structural Assessment Tools (adult and child), both as initial interventions and ongoing tools to facilitate positive family change.
Repeatable: No

♦

SWK 572 Forensic Social Work (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or graduate standing
Taught: Variable, check with department
This course provides an overview of forensic social work practice and theory. It illustrates skills for working with diverse populations and settings, such as community, medical, school, child welfare, mental health/addictions, and juvenile/criminal justice settings. The course focuses on theoretical frameworks relevant to client populations affected by legal issues.
Repeatable: No

♦

SWK 576 Social Work & the Law (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior or Graduate standing.
Taught: Variable, check with department.
This course examines the basic legal principles and topics, and the relationship of the legal system to the social work profession. Social work knowledge needed to work within the court system are addressed. Topics include: child welfare, crime and delinquency, mental health and the regulation of social work practice.
Repeatable: No

SWK 577 Social Work in Law Enforcement Settings 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior or Graduate Standing
Taught: Variable, check with department
Overview of social work theory and practice in law enforcement settings. Illustrates skills for working with diverse populations experiencing social, medical, and environmental needs in the context of host setting. Introduces the concept of social work in law enforcement settings via readings, videos, written assignments, and use of Discussion Board.
Repeatable: No

SWK 578 Aging & Mental Health (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior standing or graduate standing
Taught: Variable, check with department.
This course integrates theories and practice skills needed for effective clinical practice involving older adults and mental health. Students receive a synopsis of gerontology, theoretical models for understanding mental disorders in older adults, and an examination of mental disorders in later life, with a focus on diagnosis, assessment, and treatment
Repeatable: No

SWK 579 Gerontology (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Junior or higher or graduate standing
Taught: Fall, summer, spring
This course examines a broad range of theories and contemporary issues in aging that relate to social work practice with older adults and their families. Domains of inquiry include biological, psychological, and sociological perspectives of aging. Students apply evidence-based practice to the theories and issues that impact aging.
Repeatable: No

♦

SWK 592 Directed Research: Social Work (0-6 credits)
Hours: 0-6 Classroom + 0 Lab Studio
Prerequisite(s): Department Permission
Taught: Variable, check with department
Original research in social work directed by a faculty in the School of Social Work.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

SWK 594 Special Topics: Issues in Social Work (1-4 credits)
Hours: 1-4 classroom + 0 lab/studio
Prerequisite(s): Junior standing or graduate standing
Taught: Variable, check with department
A specific aspect of social welfare practice or social welfare concern. See Schedule of Classes for current offerings and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 12

SWK 595 Social Work Study Abroad Topics 1-6 credit hours
Hours: 1-6 classroom + 0 lab/studio
Prerequisite(s): Junior Standing or Graduate Standing
Taught: Variable, check with department
Topics vary by semester as indicated in the schedule of classes, and include study abroad or away experiences. Study abroad is for students interested in International Social Work practice and policy. International social work is a growing field seeking to understand social problems, and services other countries address these problems.
Repeatable: Yes
If Repeatable, Max. Credits: 9 hours if topics vary

SOCIOLOGY

SOC 100 Introduction to Sociology - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Sociology is the scientific study of society. More specifically, it is the study of ways in which humans construct meanings and organize social relationships and activities. This discipline seeks to develop students' ability to observe and think critically about their own and other societies and to become more sensitive to behavioral and value differences among people (which powerfully shape attitudes and opinions). Serious students of sociology will learn that sociological concepts, theories, and methods are powerful analytical tools for making connections between personal

problems and larger social issues and for understanding how local, regional, national and global communities are intertwined. Such understanding and skills will facilitate decision-making and constructive ethical and responsible action to address the issues we face today.
Repeatable: No
General Education Credit: Individual and Society

SOC 101 Global Inequalities - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Global Inequality is the study of ways in which humans construct meanings as they relate to similarities and differences and organize social relationships and activities in ways that advantage some groups over others. Special emphasis is paid to inequalities across and within countries, effects of imperialism and colonialism on linguistic or cultural diversity; theories of cultural development, the interconnections between and differences among local, national, and global communities; and the influence of cultural and socioeconomic background in shaping attitudes and opinions (in themselves and others).
Repeatable: No
General Education Credit: Global Viewpoints

SOC 281 Careers in Sociology (1 credit hour)
Hours: 0 credit hour / 0 lab+studio hours
Taught: Spring only
Professional development assessment; investigation of careers in sociology; planning and decision-making skills regarding future careers.
Repeatable: No

SOC 300 Race and Ethnic Relations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Dominant-minority intergroup relations; prejudice, discrimination, and other intergroup processes; racial and ethnic minorities in U.S. society.
Repeatable: No
♦

SOC 301 World Patterns of Race Ethnicity (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100, SOC 101, or ANT 100.
Taught: Variable, check with department
Patterns of intergroup relations in multi-ethnic societies; similarities and differences between these and U.S.
Repeatable: No
♦

SOC 303 Social Psychology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Interactionist approach to study of development of the self; social roles; identity; social relationships; creativity; deviance; social control.
Repeatable: No

SOC 305 Criminology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Concepts, theories, and major research findings of crime and criminal behavior; analysis of the criminal justice system, including various forms of corrections and rehabilitation.
Repeatable: No
♦

SOC 307 Social Stratification (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Theories of social class; distribution of wealth, prestige, and power in U.S.; patterns of social mobility.
Repeatable: No
♦

SOC 308 Social Organization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Structure and function of organized groups and organizational behavior; formal organization.
Repeatable: No
♦

SOC 315 Marriage and the Family (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Major theoretical approaches with emphasis on interaction; the family as a social institution, with cultural, social, and emotional implications of dating and mate selection; meeting family crises and problems; marital adjustment; social changes affecting the family.
Repeatable: No
♦

SOC 319 Managing and Analyzing Databases (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Introduction to database creation, management and analysis. Designed to give students hands-on experience assessing, building, evaluating, applying and drawing conclusions related to large data sets.
Repeatable: No
♦

SOC 320 Social Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Overview of the research process; principles of research design; major methods of data collection; interviewing techniques; hand-on experience with selected research design and analysis.
Repeatable: No
♦

SOC 322 Qualitative Research Methods (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Introduction to the theory and methods of qualitative research. Students will learn the basics of research design and analysis, featuring data gathered using interview techniques, content analysis, ethnography, observation, and other qualitative research methods. Special attention will be given to the research ethics that guide sociological research.
Repeatable: No
♦

SOC 330 Classical Sociological Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Major classical sociological theories and their exponents.
Repeatable: No
♦

SOC 332 Collective Behavior and Social Movements (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Crowd, mass, and public behavior; relationship to social improvements (especially contemporary); analysis of leadership roles in various types of collective behavior including social protest and movements; factors and processes at work in creating and resisting new social orders.
Repeatable: No

SOC 334 Contemporary Sociological Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Provides students with an analysis and an understanding of the major contemporary theories that underlie both quantitative and qualitative sociological research.
Repeatable: No
♦

SOC 335 Popular Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Expression and contest of popular culture as it relates to social change and thought in U.S. during the 20th century; social implications of democratic ideals, sexual mores, arts vs. pornography, youth culture, roles of music and advertising, images of women, and social and ethnic stereotypes.
Repeatable: No
♦

SOC 340 Population (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Fertility, mortality, and internal and international migration; population dynamics; interdependence of demographics and social and economic variable.
Repeatable: No
♦

SOC 342 Sociology of Aging (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Social and demographic characteristics of the elderly population; sociological theories and methods for studying the elderly; adjustment problems of aging; prejudice and discrimination against the elderly.
Repeatable: No
♦

SOC 345 Native American Social Issues (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
This course covers a range of social issues faced by contemporary Native Americans on and off reservations. Issues are presented within diverse social and historical contexts. Activist responses are considered along with the social consequences of past and current initiatives and policies.
Repeatable: No
♦

SOC 355 Sociology of the Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Analysis of social causes and consequences of environmental degradation; examination of responses to U.S. environmental problems by government, communities, and environmental organizations; assessment of U.S. environmental policies; application of sociological theory and research methods to environmental issues.
Repeatable: No

SOC 360 Technology and Social Change (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Sociological analysis of interaction of technology and society; social issues arising with technological advancement; sociological factors influencing the direction of technological change and the adoption of technology; issues of the role of science in contemporary society.
Repeatable: No
♦

SOC 364 Sociology of Gender (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Using major theoretical perspectives, the course explores gender as a socially constructed attribute with meanings and taken-for-granted assumptions that vary historically and across cultures; examines why ideas of gender change and how gender expectations are imposed, embraced, challenged, and resisted.

Repeatable: No

♦

SOC 371 Environment, Society, and Public Health (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Critical examination of environmental basis of public health issues. Topics include: role of science and scientific burdens of proof in determining environmental impacts on health, uneven distribution of environmental health risk factors across race and class, analysis of community responses to environmental health issues (i.e. environmental justice campaigns, health social movements).
Repeatable: No

♦

SOC 394 Topics: Sociology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
A recent development in any phase of sociology. See Schedule of Classes for current topic and prerequisites.
Repeatable: Yes
If Repeatable, Max. Credits: 12

SOC 400 Urban Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Urbanization, industrialization, metropolitanization, and urban ecology; impact of large-scale population aggregations on social institutions; adaptation and adjustment of migrants; developing nations.
Repeatable: No

♦

SOC 415 Sociology of Planning and Development (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Provides students with a sociological perspective of the planning and development process. Examines who, what, where, and when of the planning process and at what point in planning and development do various populations have access to the process and to what extent do all have a say in the process.
Repeatable: No

♦

SOC 425 Political Sociology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100, SOC 101, or PSC 100.
Taught: Variable, check with department
Theories of power and legitimacy; elites and masses; power structures of U.S. and other societies: social correlates of political ideology; socio-political movements.
Repeatable: No

♦

SOC 430 Sociology of Religion (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Religion as a social institution; religious behavior; structure and function of religious institutions; interdependence with other social institution.
Repeatable: No

♦

SOC 435 Sociology of Sexualities (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
While 'human sexuality' may seem to be static and biologically determined, in sociology we see sexualities as complex, varied, and shaped by social forces, influencing life chances and quality of life for people of various cultural, social, and historical circumstances. This course examines sexualities in these contexts.
Repeatable: No

♦

SOC 450 Medical Sociology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Major sociological theories of sickness and health; social and cultural aspects of disease definition, help seeking, and response to illness; provider-patient roles and relationships; health care delivery systems in various societies.
Repeatable: No

♦

SOC 480 Global Aging Issues and Policies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101.
Taught: Variable, check with department
Global aging issues and policies with emphasis on the health and care of aging populations, theories of adult development, cross-cultural comparisons and social gerontology. Addresses the relationships and interactions between and among the elderly, their families, social and health care professionals, and the various organizations that serve them.
Repeatable: No

♦

SOC 492 Directed Research: Sociology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Independent work on research project agreed upon by student and instructor.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

SOC 493 Sociology Senior Seminar (2 credits)
Hours: 2 classroom + 0 lab/studio
Prerequisite(s): SOC 100 or SOC 101 and at least 21 semester hours

in sociology and senior standing.
Taught: Variable, check with department
Senior seminar required as a capstone experience for seniors majoring in sociology.
Repeatable: No

♦

SOC 496 Teaching Experience in Sociology (1-2 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Teaching experience as an assistant in a sociology course with a focus on assisting students learning course materials.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

SOC 497 Research Assistantship: Sociology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Research experience as an assistant to an sociology faculty member.
Repeatable: Yes
If Repeatable, Max. Credits: 18

♦

SOC 498 External Internship: Sociology (1-6 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Students arrange an unpaid internship related to sociology.
Repeatable: Y
If Repeatable, Max. Credits: 18

♦

SOC 499 Readings: Sociology (1-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Prerequisite(s): consent of instructor.
Taught: Variable, check with department
Specialized topics or research interest.
Repeatable: No

♦

SOC 594 Topics: Sociology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Selected topics in sociology. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

SOC 599 Independent Study (3 credits)
Hours: 3-6 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Individually supervised readings and study of a selected topic in sociology. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

SPANISH

SPI 101 Elementary Spanish I - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Fundamentals; introduction to Hispanic cultures; development of skills in conversation, pronunciation, grammar, reading, and writing.
Repeatable: No
General Education Credit: Culture and Creativity

SPI 102 Elementary Spanish II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed SPI 101 or equivalent.
Taught: Fall and spring
Continuation of SPI 101.
Repeatable: No

♦

SPI 201 Intermediate Spanish I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed SPI 102 or equivalent.
Taught: Fall and spring
Review and extension of basic language skills learned in SPI 101 and SPI 102; reading and discussion of cultural, linguistic, and literary subjects.
Repeatable: No

♦

SPI 202 Intermediate Spanish II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): For students who have completed SPI 201 or equivalent.
Taught: Fall and spring
Continuation of grammar review and enhancement of language skills begun in SPI 201; cultural and literary subjects.
Repeatable: No

♦

SPI 294 Topics in Spanish for the Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 102 *or consent of instructor*
Taught: Variable, check with department
Provides linguistic and cultural competence to prepare students to work within a cross-cultural environment here or abroad. Course content may include topics about health, legal, culinary arts, fashion, engineeering, tourism, or trade professions. Taught in Spanish.
Repeatable: No

♦

SPI 304 Spanish Composition and Conversation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Fall and spring
Advanced practice in writing Spanish compositions and in oral conversation skills.
Repeatable: No
♦

SPI 307 Introduction to Spanish Translation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or consent of instructor.
Taught: Variable, check with department
Introductory translation course providing an overview of the considerations that the translator must take into account when approaching a text. Attention is paid to the structural differences between Spanish and English, cross-cultural differences in stylistics, writing with clarity and reference work. Students will have hands-on experience.
Repeatable: No
♦

SPI 310 Spanish Culture and Civilization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Study of eras, institutions, and issues in the history and culture of Spain and the Iberian peninsula; readings primarily in Spanish.
Repeatable: No
♦

SPI 311 Spanish-American Culture and Civilization (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Eras, institutions, and issues in Spanish-speaking countries of Central and South America; the Hispanic presence in the United States; readings primarily in Spanish.
Repeatable: No
♦

SPI 320 Survey of Peninsular Spanish Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Overview of major authors and movements from the middle ages to the 20th century; readings in Spanish.
Repeatable: No
♦

SPI 321 Survey of Spanish-American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Overview of major authors and movements from the 18th to the 20th century; readings in Spanish.
Repeatable: No
♦

SPI 322 Hispanic Drama (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Study of major authors and texts in the history of Spanish theater, including representative twentieth-century playwrights. Readings in Spanish. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

SPI 323 Hispanic Prose Fiction (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Focus on novel, novella, or short story. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

SPI 330 Studies in Spanish Language Cinema (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Survey of films produced in the Spanish language. Emphasizes both the aesthetic aspects of the films as well as their historical, political, social and cultural content. May be repeated as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

SPI 340 Business Spanish (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPI 202 or equivalent.
Taught: Variable, check with department
Study of language for broad commercial purposes; cultural awareness in both social and professional situations; historic and contemporary views of government, labor, media, and industrial organization in Spain and Latin America; business communication; Relations between the Spanish-speaking world and the U.S.
Repeatable: No
♦

SPI 401 Spanish Phonetics and Pronunciation (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Spanish on the 300 level or above or consent of instructor.
Taught: Spring only-even yrs
Study of Spanish sound system, how sounds are produced, which ones are used in Spanish, and in what contexts they occur. Satisfies the linguistics requirement for Spanish Education majors.
Repeatable: No
♦

SPI 402 Advanced Spanish Grammar and Syntax (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Spanish on the 300 level or above or consent of instructor.
Taught: Spring only-odd yrs
Study of grammar through analysis of key linguistic structures and applied practice. Analysis of word formation, sentence structure, and semantics. Satisfies the linguistics requirement for Spanish Education majors.
Repeatable: No
♦

SPI 480 Studies in Spanish and Spanish-American Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Spanish on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Topics in culture and language of Spanish-speaking countries. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

SPI 481 Studies in Spanish and Spanish-American Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 semester hours of Spanish on the 300 level or above or consent of instructor.
Taught: Variable, check with department
Topics in literature, literary history, and literary theory. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

SPI 499 Independent Study: Spanish (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Readings in language, literature, and culture.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

SPI 520 Readings in Spanish (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 300-level Spanish course.
Taught: Variable, check with department
Various literary, linguistic, cultural, and pedagogical topics. May be repeated for credit as topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

SPORTS BUSINESS

SPB 200 Rivalry and Rituals: International Sport - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
'Rivalry and Rituals' uses the socially prominent context of international sports to examine cultural development, influence and conflict within and across persons and geographic boundaries.
Repeatable: No
General Education Credit: Cultural Pluralism

SPB 305 Sports Marketing and Events Research (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MKT 205.
Taught: Fall and spring
Sports Marketing will build upon the marketing knowledge base and provide an overview of all the issues faced by marketing managers within the sports industry and outside the industry who market through sports. Students will be introduced to the unique qualities of the sports product and also examine the promotion mix, pricing and distribution issues as they relate to the sports industry.
Repeatable: No
♦

SPB 307 Moneyball: Economics of Sports & Events (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in ECO 101.
Taught: Variable, check with department
Challenges students to apply economic theory to the unique aspects of college and professional sports. Highlights of the course include the industrial structure of sports, public financing of sports, and labor markets in sports.
Repeatable: No
♦

SPB 309 Sports and Events Public Relations (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MKT 205 or MKT 305.
Taught: Variable, check with department
Introduction to the elements of the promotional mix that identify, establish and maintain mutually beneficial relationships between the sports organizations and the various publics on which its success or failure depends.
Repeatable: No
♦

SPB 330 Sports and Events Law (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
This course will explore the landmark decisions and social environment, which have transformed sports into a very powerful industry enjoying special protection under the law. Topics will include sports franchise rights, legal issues, anti-trust laws, sports agents, injuries to athletics, intercollegiate sports, collective bargaining issues, the powers of the Commissioner and gender equality.

Repeatable: No

♦

SPB 335 Event Planning and Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MKT 205 or MKT 305.
Taught: Fall and spring
A comprehensive look at factors to consider for successful event planning, marketing, and management. Topics will include analysis of event budgets, design and implementation of promotional campaigns, strategies for sponsorship program development, selection of facilities or venues, coordination of staffing needs, and key legal issues such as contracts.
Repeatable: No

♦

SPB 340 Esports Management 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): MKT 205
Taught: Fall
Introduction to the evolving E-sports ecosystem as a part of the sport and entertainment sector. Aspects of the business of E-sports management, marketing, sponsorships, players, teams, games, ethics, legal implications, and fan consumption, as well as others.
Repeatable: No

SPB 350 Revenue Generation in Sports and Events (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPB 305, and a C- or better in MKT 205.
Taught: Variable, check with department
Comprehensive overview of ticket sales, fundraising, donor relations, non-profit, premium seating, and sponsorship profession. Ethics and terminology in the field. Topics include major gift fundraising, annual funds, booster club organizations, priority seating programs, ticket and sponsorship sales cycle, the importance of prospect research, and process from relationship development to transaction.
Repeatable: No

♦

SPB 392 Intensive Research in Sports Business (0-3 credits)
Hours: 0-3 Classroom + 0 Lab Studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in Sports Business by participating in special project or original research directed by a member of the faculty. Course intended for students majoring in Sports Business. May not be used as a SPB elective.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

SPB 394 Topics: Sports Business Issues (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies by topic.
Taught: Variable, check with department
Specialized topics of faculty and student interest. Topics vary. May be taken two times for elective credit if topics differ.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

SPB 396 Internship: Sports Business (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): SPB 305 and consent of instructor.
Taught: Fall, spring, and summer
Supervised professional work experience in approved sport or sports related organization.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

SPB 480 Sports Business Strategies and Policies (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): SPB 305, SPB 308, certification as Sports Business major and senior standing.
Taught: Fall and spring
Application of theories to a wide variety of current issues and problems within the sports industry using case analysis.
Repeatable: No

♦

SPB 496 Sport and Events Practicum (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): SPB 305 with a C or better and permission from instructor.
Taught: Fall and summer
This professional experience course involves 60 hours per credit hour of applied learning experiences within the sport industry. Students log field experience hours that include observing and providing assistance to a sports business professional in order to learn about the field of sports business and to gain professional experience and contacts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

SPB 499 Independent Study: Sports Business (3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): SPB 305, senior standing and consent of instructor.
Taught: Variable, check with department
Students pursue a topic or project of interest to them under faculty supervision. Meeting times by arrangement with instructor.
Repeatable: No

♦

STATISTICS

STA 110 Introductory Probability (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Spring and Summer
Enumeration techniques and probability theory. Not open to students who have completed STA 250. Same as MAT 110.
Repeatable: No

♦

STA 111 Basic Probability (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): STA 205 and consent of chairperson.
Taught: Fall, spring, and summer
Probability; basic counting techniques.
Repeatable: No
♦

STA 113 Probability and Statistics with Elementary Education Applications - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Fall, spring, and summer
Concepts of probability, statistical description, and statistical inference and their use in elementary education; basic counting techniques; graphical descriptive methods; numerical descriptive methods; normal distribution; sampling distribution of a proportion and mean; estimation of a proportion and mean; Use of statistical software. Not open to students who have completed both MAT 110/STA 110 and either STA 204 or STA 205, or MAT 110/STA 110 , or STA 250 or STA 314.
Repeatable: No
General Education Credit: Mathematics
♦

STA 204 Statistics for Middle Grades Teachers (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Spring only
Concepts of statistical description and inference as they relate to middle and secondary standards; graphical displays of qualitative and quantitative data; measures of central tendency, variability, and position; normal distributions; linear regression and correlation; patterns of association in bivariate categorical data; simulation for inferential techniques, including confidence intervals and randomization tests; use of statistical software. Open only to students majoring in elementary or middle grades education or by instructor permit.
Repeatable: No
♦

STA 205 Statistical Methods - QR (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): P in MAT 101 or placement.
Taught: Fall, spring, and summer
Graphical descriptive measures; numerical descriptive measures; probability; hypothesis testing, estimation; analysis of variance; chi-square; regression; analysis by means of statistical software. Not open to students who have completed STA 250 or STA 314.
Repeatable: No
General Education Credit: Mathematics
♦

STA 205R Statistical Methods with Recitation - QR (3 credits)
Hours: 3 classroom + 1 lab/studio
Prerequisite(s): None.
Taught: Fall, Spring, Summer
Introduction to the following topics: graphical descriptive measures; numerical descriptive measures; probability; hypothesis testing, estimation; analysis of variance; chi-square; regression; analysis by means of statistical software. Use of recitation model for additional instruction in foundational mathematical and statistical concepts supporting course content. Not open to students who have completed STA 250 or STA 314.
Repeatable: No

STA 250 Probability and Statistics I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in MAT 129
Prerequisite OR Co-requisite: MAT 227 (C- or better in prereq)
Taught: Fall and spring
Introduction to probability and statistics; discrete distributions, continuous distributions, sampling distributions, estimation and hypothesis testing.
Repeatable: No
♦

STA 292 Introductory Statistical Research (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Introduction to research in statistics by participation in a special project or original research directed by a member of the Department of Mathematics and Statistics faculty. Course intended for statistics majors interested in statistics research but not ready or able to enroll in more advanced research courses. Pass/fail grade only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

STA 294 Topics: Statistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in Statistics.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 299 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 305 Intermediate Statistical Methods with R (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 205 or STA 205R or STA 250 .
Taught: Fall and spring
Further development of key topics in STA 205 ; analysis of variance; chi- square tests; non-parametric inference; regression analysis; additional inference topics; introduction to the statistical programming language R. Not open to students who have

completed STA 314 , STA 316 , or STA 327 without department permission.
Repeatable: No
♦

STA 312 Elementary Survey Sampling (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305
Taught: Variable, check with department
Describing sets of data; estimation; elements of survey samples; single random, stratified, cluster, and systematic sampling methods; ratio and regression estimation; sampling from wildlife populations. Students will be required to conduct and analyze an actual survey.
Repeatable: No
♦

STA 314 Design and Analysis of Experiments (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305
Taught: Fall only
Analysis of variance and experimental design; multiple comparison techniques; factorial experiments; random and fixed effects models; nested and split plot designs; use of statistical software.
Repeatable: No
♦

STA 316 Regression Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305
Taught: Spring only
Simple linear regression; multiple regression; diagnostics and remedial measures; logistic regression; additional topics in regression; use of statistical software. Not open to students who have completed STA 315.
Repeatable: No
♦

STA 317 Introduction to Time Series Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305 or STA 316 or STA 341.
Taught: Fall only-odd years
Development of ARIMA models; estimation and confidence limits for model parameters; time series smoothing techniques; forecasting with ARIMA models; diagnostic checking.
Repeatable: No
♦

STA 327 Categorical Data Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305
Taught: Variable, check with department
A study of categorical variables and their analyses. Topics include: 2- way contingency tables; difference in proportions; marginal and conditional probabilities; independence; chi-square tests; relative risks and odds ratios; Simpson's paradox; logistic regression; Poisson regression; use of advanced statistical software (such as R, SAS). Other topics, time permitting.
Repeatable: No
♦

STA 340 Probability II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 250 and (MAT 228 or MAT 229).
Taught: Fall only
Further study of topics in STA 250; multivariate distributions, approximations, functions of random variables; additional topics.
Repeatable: No
♦

STA 341 Statistics II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 250.
Taught: Spring only
Further study in statistics topics introduced in STA 250. Topics include confidence intervals and hypothesis testing, one-factor analysis of variance, simple linear regression, chi-square analyses, and nonparametric tests.
Repeatable: No
♦

STA 360 Statistical Computing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 305 or any 300-level STA course or permission of instructor.
Taught: Fall only
Use of SAS software for data management. Sorting, merging, subsetting, and validating datasets; programming techniques including use of loops, arrays, and macros; descriptive and graphical statistical procedures. This course prepares students for the Base SAS Certification Exam. Note: Students who do not satisfy the prerequisite but who will concurrently enroll in another 300-level STA course may request a waiver of the prerequisite from the department to enroll in this course.
Repeatable: No
♦

STA 365 Statistics with Simulation & Resampling (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in *STA 250*
Taught: Variable, check with department
Simulation-based hypothesis tests; Simulated sampling distributions; Bootstrap confidence intervals; Correlation and regression; Use of contemporary statistical programming language.
Repeatable: No

STA 370 Introduction to Statistical Consulting (3 credits)
Hours: 1 classroom + 6-9 lab/studio
Prerequisite(s): Consent of instructor and C- or better in STA 314 or STA 341.
Taught: Variable, check with department
Supervised application of statistical methods to real research problems in the Burkardt Consulting Center (BCC; readings and discussions on statistical consulting topics; attend meetings with clients of the BCC, manage data, analyze data, and produce summary reports under faculty supervision).
Repeatable: No
♦

STA 392 Research in Statistics (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Original research in statistics directed by a member of the Department of Mathematics and Statistics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 393 Career Explorations in Statistics (1 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Junior standing and a declared major in mathematics and/or statistics.
Taught: Fall only
Supports mathematics/statistics majors in their exploration of post-graduation opportunities. Topics include the exploration of career opportunities and graduate programs; introduction to local industries and graduate programs; self-assessment of skills, interests, and personality traits; preparation of cover letters, personal statements, resume/CV; and discussion of job search strategies and interviewing skills.
Repeatable: No
♦

STA 394 Intermediate Topics: Statistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Various topics in Statistics.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 399 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 419 Applied Multivariate Statistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 314 or STA 316 or STA 327).
Taught: Spring only-odd years
Introduction to multiple multivariate analysis techniques including: principal component analysis, factor analysis, discriminant analysis, logistic regression, and cluster analysis; other topics as time permits.
Repeatable: No
♦

STA 450 Introduction to Actuarial Science (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): C- or better in STA 340.
Taught: Spring only-even years
Advanced topics of probability theory; applications of probability in risk management and insurance; preparation for actuarial society examinations.
Repeatable: No
♦

STA 470 Supervised Statistical Consulting (3 credits)
Hours: 1 classroom + 6-9 lab/studio
Prerequisite(s): Grade of P in STA 370.
Taught: Variable, check with department
Continuation of STA 370; more active involvement in consulting projects; completion of a major oral presentation.
Repeatable: No
♦

STA 489 Comprehensive Examination (0 Credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Not assigned
Completion of a program reflection and an examination over general concepts in statistics. To be taken within two semesters of graduation.
Repeatable: No
♦

STA 490 Statistics Research Proposal (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Variable, check with department
Development of a comprehensive proposal for a research project in Statistics. Includes feasibility study, identification of resources, establishment of appropriate goals, proposal writing, and a public defense. May not be applied toward elective hours in the mathematics or statistics major. Pass/Fail.
Repeatable: No
♦

STA 491 Statistics Honors Research Project (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Passing grade in STA 490.
Taught: Variable, check with department
Supervised research in statistics concluding with a written report and public presentation of results.
Repeatable: No
♦

STA 492 Advanced Research in Statistics (0-3 credits)
Hours: 0-3 classroom + 0 lab/studio
Prerequisite(s): Consent of Instructor.
Taught: Variable, check with department
Original research in statistics directed by a member of the Department of Mathematics and Statistics faculty.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 494 Advanced Topics: Statistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).

Taught: Variable, check with department
Various topics in Statistics.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 499 Directed Readings/Independent Study (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

STA 594 Topics: Statistics (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Varies with topic (see Schedule of Classes).
Taught: Variable, check with department
Topics in statistics. Topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 15

♦

THEATRE AND DANCE

DAN 100 Dance Appreciation - AH (3 credits)
Hours: 2 classroom + 1 lab/studio
Taught: Spring only
An introductory course examining western dance as a primary mode of human expression through lectures, discussions, and written assignments, providing the student with a broad understanding of dance as a performative art and source of communication in the field of the performing arts.
Repeatable: No
General Education Credit: Yes
♦

DAN 120 Ballet Dance I (3 credits)
Hours: 0 classroom + 3 lab/studio
Taught: Fall and spring
Beginning training in ballet dance techniques and principles for students intending to progress to an intermediate level with an emphasis on technique and performance.
Repeatable: Yes
If Repeatable, Max. Credits: 6

DAN 221 Modern Dance I (3 credits)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): Successful completion of DAN 320 , or faculty approval/placement audition
Taught: Fall and spring
Beginning training in modern dance techniques and principles for students intending to progress to an intermediate level with an emphasis on technique and performance.
Repeatable: No

DAN 222 Jazz Dance I (3 credits)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): Successful completion of DAN 320 , or faculty approval/placement audition
Taught: Fall and spring
Beginning training in jazz dance techniques and principles for students intending to progress to an intermediate level with an emphasis on technique and performance.
Repeatable: No
♦

DAN 224 Tap I (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 320 , or faculty approval/placement audition
Taught: Fall and spring
Beginning training in tap dance techniques and principles for students intending to progress to an intermediate level with an emphasis on technique and performance.
Repeatable: No

DAN 225 Musical Theatre Dance I (3 credits)
Hours: (0 classroom + 3 lab/studio)
Prerequisite(s): Successful completion of DAN 120 or faculty approval/placement audition
Taught: Fall
Exploration of methodology and technique utilized in musical theatre, covering the various styles associated with the genre.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DAN 226 Dance Foundations (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of any level I DAN course or higher, or with faculty approval
Taught: Variable, check with department
Introduction and practical application of functional anatomy and theoretic approaches of the study of dance and movement as it relates to the human body.
Repeatable: Yes
If Repeatable, Max. Credits: 4

♦

DAN 320 Ballet Dance II (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 120 , or faculty approval/placement audition
Taught: Fall and spring
Intermediate training in ballet dance techniques and principles for students intending to progress to an advanced level with an emphasis on technique and performance.
Repeatable: No
♦

DAN 321 Modern Dance II (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 221 , or faculty

approval/placement audition
Taught: Fall and Spring
Intermediate training in modern dance techniques and principles for students intending to progress to an advanced level with an emphasis on technique and performance.
Repeatable: No

♦

DAN 322 Jazz Dance II (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 222 , or faculty approval/placement audition
Taught: Fall and Spring
Intermediate training in jazz dance techniques and principles for students intending to progress to an advanced level with an emphasis on technique and performance.
Repeatable: No

♦

DAN 323 Physiology of Dance (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BFA Theater and Dance status or Faculty approval
Taught: Variable, check with department
Advanced study in anatomy and physiology as it relates to dance and movement as science, including injury prevetion, terminology, joint and muscle mechanics, including introduction to strength training principles for dance as it relates to an increase in voluntary activation of muscles and overall physical well being of the dancer.
Repeatable: No

DAN 324 Tap Dance II (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 224 , or faculty approval/placement audition
Taught: Fall and spring
Intermediate training in tap dance techniques and principles for students intending to progress to an advanced level with an emphasis on technique and performance.
Repeatable: No

♦

DAN 325 Musical Theatre Dance II (3 credits)
Hours: (0 classroom + 3 lab/studio)
Prerequisite(s): Successful completion of DAN 225 , or faculty approval/placement audition
Taught: Spring only
Advanced exploration of methodology and technique utilized in musical theatre, covering the various styles associated with the genre, and preparing for career in musical theatre performance.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DAN 326 Advanced Dance Seminar (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BFA Theater and Dance status or Faculty approval
Taught: Variable, check with department
Advanced work in dance (all genres may be explored) for students majoring in theatre and skilled dancers.

Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DAN 327 Special Topics in Dance (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of any *DAN 200* level course or higher
Taught: Variable, check with department
Specialized study as it relates to dance, variable topics presented as a discipline requires/instructors available. Can be repeated for up to 9 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

DAN 375 Dance Composition (3 credits)
Hours: 1 classroom + 2 lab/studio
Prerequisite(s): Successful completion of any 3 DAN courses in variable disciplines, or with faculty approval.
Taught: Variable, check with department
Beginning to intermediate study of principles of dance composition, creation and movement generation for variable artistic venues.
Repeatable: No

♦

DAN 396 Dance Practicum (1-2 Credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Instructor approval.
Prerequisite OR Co-requisite: Instructor approval.
Taught: Fall and spring
Advanced practical application in teaching, choreographing, arts leadership, and/or research practices as related to dance performance, education, arts administration and/or research presentation.
Repeatable: Yes
If Repeatable, Max. Credits: 8

DAN 410 Dance Pedagogy (3 credits)
Hours: (2 classroom + 1 lab/studio)
Prerequisite(s): Successful completion of DAN 226 , or faculty approval/placement audition
Taught: Variable, check with department
Introduction to practical concepts and methods of dance instruction, including approaches to teaching children and adults in public and private classroom settings.
Repeatable: No

♦

DAN 414 Dance Ensemble (2 Credits)
Hours: 1-2 classroom + 1-2 lab/studio
Prerequisite(s): Audition required.
Taught: Fall and Spring
Advanced practical application in teaching, choreographing, arts leadership, and/or research practices as related to dance performance, education, arts administration and/or research

presentation.
Repeatable: Yes
If Repeatable, Max. Credits: 16

Available High Impact Practices: research/creativity

♦

DAN 420 Ballet Dance III (3 Credits)
Hours: 1 classroom + 3 lab/studio
Prerequisite(s): DAN 120 and DAN 320 or faculty approval/placement audition.
Taught: Variable,check with department
Advanced training in ballet dance techniques and principles for students at the pre-professional level with an emphasis on technique and performance. Can be repeated for up to 9 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 421 Modern Dance III (3 Credits)
Hours: 1 classroom + 3 lab/studio
Prerequisite(s): DAN 221 and DAN 321 or faculty approval/placement audition.
Taught: Variable-chck w/dept
Advanced training in ballet dance techniques and principles for students at the pre-professional level with an emphasis on technique and performance. Can be repeated for up to 9 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 422 Jazz Dance III (3 Credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of DAN 222 and DAN 322 or faculty approval/placement audition
Taught: Variable-chck w/dept
Advanced training in ballet dance techniques and principles for students at the pre-professional level with an emphasis on technique and performance. Can be repeated for up to 9 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 424 Tap Dance III (3 Credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): DAN 224 and DAN 324 or faculty approval/placement audition.
Taught: Variable-chck w/dept
Advanced training in ballet dance techniques and principles for students at the pre-professional level with an emphasis on technique and performance. Can be repeated for up to 9 credit hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 425 Musical Theatre Dance III (3 Credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): DAN 325
Prerequisite OR Co-requisite: DAN 325
Taught: Variable, check with department
Advanced exploration of methodology and technique utilized in musical theatre for the pre-professional, covering the various styles associated with the genre and preparing for a career in musical theatre performance.
Repeatable: Yes
If Repeatable, Max. Credits: 6

DAN 426 Advanced Dance Seminar II (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): BFA Theater and Dance status or Faculty approval
Taught: Variable, check with department
Pre-professional level of dance training (all genres may be explored) for students majoring in theatre and for skilled dancers
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

DAN 427 Dance History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Successful completion of any three level I or II DAN courses, or with faculty approval
Taught: Spring only
Historical survey of dance as an art form including significant artists, art creation, global perspectives ideals and world cultures focused on concert and theatrical dance. Explores the way dance effects culture and embodies new ideas with themes including gender, perceived racial difference, and identity
Repeatable: No

♦

DAN 428 Special Problems in Dance (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Successful completion of any DAN 200 level course or higher, or with faculty approval
Taught: Variable, check with department
Specialized study in dance involving community engagement, social, culltural, and emotional learning and/or embodied research based studies involving dance related modalities and theories.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 496 Internship: Professional Dance (2-6 credits)
Hours: 1-6 classroom + 1-6 lab/studio
Prerequisite(s): Faculty approval
Taught: Fall and spring
Opportunities for outstanding students in dance to accept apprenticeships carrying significant responsibilities in dance

schools or company operations. The work will be coordinated with a dance faculty adviser.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

DAN 499 Individual Studies in Dance (1-3 credits)
Hours: 1-3 classroom + 1-3 lab/studio
Prerequisite(s): Successful completion of any level II DAN course or higher, or with faculty approval
Taught: Fall and spring
Individual creative or research projects in Dance. Projects directed by DAN/TAR faculty must be approved prior to registration. A maximum of 6 semester hours of individual studies may be applied toward major or minor in dance
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

TAR 100 Theatre Appreciation - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Survey of the development and practice of theatre through the study of theatre history, dramatic literature, practitioners, live performance and basic components of theatre.
Repeatable: No
General Education Credit: Culture and Creativity

TAR 102 Race, Gender and Theatre - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Exploration of race, gender and social issues which affect individuals, families, communities and society at large by the analysis and discussion of dramatic literature.
Repeatable: No
General Education Credit: Cultural Pluralism

TAR 104 Introduction to NKU Theatre and Dance (1 credit)
Hours: 1 classroom + 0 lab/studio
Taught: Fall only
An introduction to Theatre and Dance at Northern Kentucky University. Exploration of the different disciplines of theatre and dance available at NKU, as well as career possibilities, in performance, dance, and production. Required of all TAR and DAN majors and minors.
Repeatable: No

TAR 110 Acting I (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Basic principles and techniques.
Repeatable: No

TAR 111 Creative Expression - OC (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Development and understanding of the oral communication process through the theory and practice of theatrical acting; utilizing the acting process as a communication tool, aide in improving oral communication skills, idea and message development, effective delivery of ideas.
Repeatable: No
General Education Credit: Oral Communication

TAR 114 Voice Development for the Actor I (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Speech development as related to theatre; elimination of regional accents; introductory work with the International Phonetic Alphabet.
Repeatable: No

TAR 115 Movement for the Actor I (3 credits)
Hours: (3 classroom + 0 lab/studio)
Taught: Fall only
Fundamental principles of movement for actors. This course integrates awareness, balance, strength, and flexibility to assist the actor in deconstructing poor physical habits while also developing physical confidence, presence, and authenticity.
Repeatable: No

♦

TAR 118 Stage Make Up (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Basic techniques and principles of stage makeup for the stage.
Repeatable: No

TAR 129 Musical Theatre First Year Seminar (2 credits)
Hours: (2 classroom + 0 lab/studio)
Prerequisite(s): Permission of instructor
Taught: Fall only
Introduction to the art of singing in a musical theatre ensemble.
Repeatable: No

♦

TAR 130 Musical Skills for the Musical Theatre (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Introduction to basic reading and understanding of musical concepts specific to vocalists; strong focus on the unique demands of the musical theatre.
Repeatable: No

TAR 160 Introduction to Stagecraft (2 credits)
Hours: 2 classroom + 0 lab/studio
Co-requisite(s): TAR 160L.
Taught: Fall and spring
An overview of the elements of scenery construction or costume construction for technical theater with an emphasis in production emphasizing practical application.
Repeatable: No

TAR 160L Stagecraft Laboratory (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Co-requisite(s): TAR 160.
Taught: Fall and spring
Practical application of elements acquired in TAR 160.
Repeatable: No

TAR 161 Fundamentals of Theatrical Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Basic elements of design for theatre scenery, props, costumes, sound, and lighting; principles of aesthetics, script analysis, methods of research, development of visual concepts, graphic representations, and final evaluations.
Repeatable: No

TAR 165 Comparative Arts - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
A comparative study of the evolution of historical and period styles: Students will study an overview of the evolution of furniture, décor, painting, music and clothing. This evolution will be studied within the historical context that helped shape design within the era.
Repeatable: No
General Education Credit: Culture and Creativity

TAR 176 Introduction to Stage Management (3 credits)
Hours: (3 classroom + 0 lab/studio)
Taught: Spring only
Introduction to the duties and responsibilities of the theatrical stage manager, including pre-production, rehearsal, and performance methodologies.
Repeatable: No
♦

TAR 204 Life as an Artist 1 credit
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Successful completion of TAR 104
Taught: Spring only
A continuation of the concepts and content explored in TAR 104, Intro to NKU Theatre & Dance, Second Year Seminar explores personal artistic philosophies, self- awareness, self- care, and career goals in more depth and breadth. Required of all TAR and DAN majors.
Repeatable: No

TAR 210 Acting II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 110.
Taught: Fall and spring
Additional development of acting techniques and perceptions; greater emphasis on scene work and character development.
Repeatable: No
♦

TAR 211 Special Topics in Theatre (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Variable, check with department
Introduction to specialized theatre areas of study.
Repeatable: Yes
If Repeatable, Max. Credits: 9

research/creativity

TAR 213 Stage Combat (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 110.
Taught: Variable, check with department
Introduction to stage combat; hand fighting, quarterstaff, broadsword, and rapier and dagger; the stage fight in various periods and styles of dramatic literature.
Repeatable: No
♦

TAR 214 Voice Development for the Actor II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 114.
Taught: Fall only
Techniques and strategies to improve your singing from both a musical and dramatic perspective.
Repeatable: No
♦

TAR 215 Movement for the Actor II (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 115 *or permission of instructor*
Taught: Spring only
This intermediate course uses physical techniques to develop dynamic and detailed characters that support expressive storytelling. Techniques vary depending on instructor but may include (and are not limited to): masks, comedia, animals, Laban, Suzuki, clowning, and viewpoints.
Repeatable: No
♦

TAR 225 Musical Theatre Performance I (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Introduction to performance techniques; synthesis of voice, acting, and movement; beginning vocal technique as applied to musical theatre repertoire.
Repeatable: No

TAR 230 Musical Skills for Musical Theatre Actors II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 130.
Taught: Spring only
Continuation of TAR 130 dealing with more advanced challenges in musical theatre repertoire.
Repeatable: No
♦

TAR 235 Vocal Techniques for the Singing Actor I (0-1 credit)
Hours: 0-1 classroom + 0 lab/studio
Taught: Fall only
Private instruction focusing on viable methods for healthy musical theatre singing. May be repeated for credit (Musical Theatre B.F.A. students must repeat for credit).
Repeatable: Yes
If Repeatable, Max. Credits: 5

TAR 245 Introduction to Theatre in World Cultures (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department

Through the reading and analyzing of scripts and other texts, learners will be encouraged to recognize and analyze ethical issues and actions while examining the socio-political, economic and historical conditions from which diversity both emerges and converges.
Repeatable: No

TAR 260 Lighting Fundamentals (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall only-even years
Practical exploration of the scientific principles and theories and practices of stage lighting, including electricity, optics, color theory, dimming and control systems.
Repeatable: No
♦

TAR 262 Costume Construction (2 credits)
Hours: 2 classroom + 0 lab/studio
Co-requisite(s): TAR 262L.
Taught: Fall only
Basic principles of costume building with opportunities for practical application in preparing costumes for university productions.
Repeatable: No

TAR 262L Costume Construction Laboratory (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Co-requisite(s): TAR 262.
Taught: Fall only
Practical application of skills and techniques acquired in TAR 262.
Repeatable: No

TAR 268 Theatrical Rendering (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Spring only-odd years
Techniques employed in creating renderings and sketches to effectively communicate visual ideas and design concepts. Techniques will begin with the fundamentals of drawing, moves to types of media, and culminates in computer rendering.
Repeatable: No
♦

TAR 277 Fundamentals of Sound Technology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall only-even years
Sound reinforcement and sound production for the theatre; basic acoustics, audio components, terminology, recording/assembly techniques, and digital technology; skills necessary to mix sound and to troubleshoot sound systems.
Repeatable: No
♦

TAR 292 Student Research in Theatre (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Fall and spring
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved theatrecourse.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

TAR 310 Acting III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 210.
Taught: Fall and spring
Advanced acting techniques and considerations; detailed scene analysis and repertory building.
Repeatable: No
♦

TAR 311 Auditions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): At least two acting/dance courses.
Taught: Variable, check with department
Specialized techniques necessary for actors to relate to the auditioning experience; building an appropriate repertory of material, preparing the resume, and developing the "persona."
Repeatable: No
♦

TAR 313 Acting for the Camera (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 210
Taught: Variable, check with department
Preparation of the student for on-camera auditions and how to apply protocol and etiquette when on-set. Through hands-on experience with auditioning, commercials, and narrative filming, students will feel prepared to begin auditioning for on-camera work.
Repeatable: No
♦

TAR 314 Voice Development for the Actor III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 114, TAR 214 and TAR 110.
Taught: Variable, check with department
Advanced voice and speech development techniques and exercises as applied in performance situations.
Repeatable: No
♦

TAR 315 Movement for the Actor III (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 115, TAR 215, *permission of instructor*
Taught: Fall and spring
Advanced course using physical techniques to develop dynamic and detailed characters that support expressive storytelling in a variety of performance modes.
Repeatable: No
♦

TAR 316 Acting Seminar I (3 credits)
Hours: 2 classroom + 4 lab/studio
Prerequisite(s): TAR 310.
Taught: Variable, check with department
Advanced acting coaching and repertory building; scene analysis and character work in relatively small groups for advanced students who have completed preliminary acting training.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

TAR 325 Musical Theatre Performance II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 225.
Taught: Spring only
Development of musical theatre repertoire for audition, study, and performance; synthesis of voice, acting, and movement; various musical theatre genres and historical styles.
Repeatable: No
♦

TAR 329 Musical Theatre Third Year Seminar (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 129
Taught: Spring only
An ensemble-based course that will build on the concepts presented in TAR 129 Musical Theatre First Year Seminar and DAN 225 Musical Theatre Dance I. Students will engage in intermediate level ensemble work, complete in-depth composer research, repertoire exploration, and survey performance styles.
Repeatable: No
♦

TAR 335 Vocal Techniques for the Singing Actor II (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): TAR 161 *or consent of instructor*
Taught: Spring only
Continuation of TAR 235 with a focus on expansion of repertoire and styles. (Musical Theater B.F.A. must repeat for credit).
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

TAR 340 Playscript Analysis (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Systems of interpretation applicable to all types of dramatic literature necessary to production of plays and relevant for directors, actors, designers, and other practitioners.
Repeatable: No

TAR 343 Costume History (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 161 or consent of instructor.
Taught: Fall only-odd years
Costume history from antiquity through the modern period as applied to production design; methods and courses of research for design in theatre.
Repeatable: No
♦

TAR 346 Theatre History (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Development of the theatre from its beginnings to the present. Study of theatre arts and cultural institutions with a focus on historical context for plays and performances.
Repeatable: No

TAR 347 Dramatic Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Spring only
A study of the art of dramatic writing that examines representative world theatre texts, along with their cultural and historic context.
Repeatable: No

TAR 348 Theatre History and Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 or equivalent.
Taught: Variable, check with department
Survey of major historical developments in theatre and dramatic literature from pre-Greek times to the 20th century. Focus is placed on how society, culture and politics influence theatre production and vice versa. Does not satisfy degree requirements for theatre majors or minors. Available for registered Organizational Leadership majors only.
Repeatable: No
♦

TAR 355 Musical Theatre Literature I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101.
Taught: Variable, check with department
American musical theatre literature from late 19th century to mid-20th century; musical and dramatic movements that created American musical theatre.
Repeatable: No
♦

TAR 360 Scene Design I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160 and TAR 161.
Taught: Fall only-odd years
Principles of design related to stage scenery; historical modes of stage design; 20th century stage decoration.
Repeatable: No
♦

TAR 361 Design and Construction of Stage Properties (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160 and TAR 161.
Taught: Spring only
Design skills and building techniques involved in props and effects for the stage.
Repeatable: No
♦

TAR 362 Drafting For Theatre (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Variable, check with department
A lecture/project class that teaches the basic techniques and practices of drafting for the theatre. Projects require students to create typical working drawings for theatre productions utilizing industry standards. This course covers the use of mechanical and computer based techniques.
Repeatable: No
♦

TAR 363 Lighting Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 260.
Taught: Fall only-even years
A lecture/project course exploring art and science of theatrical lighting design. Projects teach students the mechanics and creative processes and theories used in creating lighting designs for the theatre.
Repeatable: No
♦

TAR 364 Computer Graphics for the Stage (3 credits)
Hours: 2 classroom + 1 lab/studio
Prerequisite(s): TAR 160.
Taught: Spring only-odd yrs
Introduction to commonly used graphic and 3D rendering programs.
Repeatable: No
♦

TAR 365 Costume Crafts (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 260 and TAR 161.
Taught: Variable, check with department
A lecture/project course exploring art and science of theatrical lighting design. Projects teach students the mechanics and creative processes and theories used in creating lighting designs for the theatre.
Repeatable: No
♦

TAR 366 Costume Design I (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 268 or consent of instructor; TAR 161. TAR 343 recommended.
Taught: Fall only-even years
Application of principles of design to stage costuming; fabrics, figure drawing, and characterization.
Repeatable: No
♦

TAR 367 Stagecraft II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Variable, check with department
Advanced techniques and practices used in the construction and application of stage scenery. Topics include budgeting, welding, theatre machinery and equipment, shop organization, and advanced construction techniques.
Repeatable: No
♦

TAR 370 Directing (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 110 ,TAR 160 , TAR 340 , and TAR 390 or TAR 391 , OR consent of instructor
Taught: Fall only
Basic principles of play directing, play selection, casting, and rehearsal; direction and presentation of selected scenes in class.
Repeatable: No
Available High Impact Practices: research/creativity
♦

TAR 371 Theatre Management (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Spring only
Duties and responsibilities of those entrusted with areas like house management, public relations, and publicity in theatre activities.
Repeatable: No
♦

TAR 376 Stage Management Practicum (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall only
Duties and responsibilities of the theatrical stage manager.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

TAR 377 Sound Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 227 and TAR 161.
Taught: Fall only-odd years
Design and aesthetic concerns, design process and techniques; playscript analysis, artistic and aesthetic choices, integrating music collaborative process; developing a common dialogue with the director and design team; sound graphics and design documentation including signal flow and system design.
Repeatable: No
♦

TAR 380 Playwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall only
Art and craft of writing dramatic material for stage presentation.
Repeatable: No

TAR 390 Production Credits (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall, spring, and summer
Preparing for participation in college dramatic activities. May be repeated for a maximum of eight semester hours, all of which must be earned through active technical involvement of performances.
Repeatable: Yes

If Repeatable, Max. Credits: 8

♦

TAR 391 Production Credits (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall, spring, and summer
Preparing for participation in college dramatic activities. May be repeated for a maximum of eight semester hours, all of which must be earned through active technical involvement of performances.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

TAR 395 Study Abroad/Away in Theatre & Dance 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Permission of Instructor
Taught: Variable, check with department
Study abroad/away course; topic listed in Schedule of Classes when course is offered. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12 hours

TAR 400 Theatre in World Cultures Styles Studio (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Theatre is a potent political and cultural vehicle for conveying the multifaceted perspectives of various minority groups in the Americas and the world. Through the analyzing, and performing of scripts and texts, learners will begin to recognize/analyze ethical issues while examining the socio-political, economic and historical conditions from which diversity emerges.
Repeatable: No

TAR 410 Styles of Acting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 310.
Taught: Variable, check with department
Major acting styles; practical application through presentation and evaluation of representative scenes and excerpted materials.
Repeatable: No

♦

TAR 411 Special Problems: Theatre Acting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 310.
Taught: Variable, check with department
Opportunity for additional advanced work in the theatre student's area of concentration; multiple opportunities for performing artist's involvement in electives in specific areas of interest.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

TAR 412 Internship: Professional Theatre (3-6 credits)
Hours: 3-6 classroom + 0 lab/studio
Prerequisite(s): Permission of the chair of theatre.
Taught: Fall and spring
Opportunities for outstanding students in theatre to accept apprenticeships carrying significant responsibilities in major professional theatre operations. The work will be coordinated with a theatre faculty adviser.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

TAR 413 Oral Interpretation of Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 114.
Taught: Variable, check with department
Principles of Oral Interpretation and Readers Theatre styles with focus upon techniques and exercises as applied in a variety of performance situations.
Repeatable: No

♦

TAR 414 NKU Tour Group (2 credits)
Hours: 0 classroom + 4 lab/studio
Prerequisite(s): Audition.
Taught: Fall and spring
Touring performance troupes designed to represent the University in functions round the state and region.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

Available High Impact Practices: research/creativity

♦

TAR 415 One Person Show (3 credits)
Hours: 1 classroom + 3 lab/studio
Prerequisite(s): TAR 310 or consent of instructor.
Taught: Variable, check with department
An introduction to the genre of the one- person show. The course covers the various forms of monodrama. Students will create an outline for a full-length solo show and write and present an excerpt from it in performance.
Repeatable: No
Available High Impact Practices: research/creativity

♦

TAR 416 Acting Seminar II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 310.
Taught: Variable, check with department
Advanced acting coaching and repertory building. Small group work for advanced students who have completed preliminary acting training.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

TAR 417 Acting Shakespeare (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 310 or consent of instructor.
Taught: Variable, check with department
Basic techniques for performing Shakespeare; practical application through ongoing scene work culminating in a one- person presentation of material from Shakespeare's plays and sonnets.
Repeatable: No
♦

TAR 418 Process and Production (4 credits)
Hours: 4 classroom + 0 lab/studio
Prerequisite(s): TAR 110 and TAR 210 and TAR 310 and consent of instructor.
Taught: Variable, check with department
Rehearsal and presentation of a play for an audience within the framework of a laboratory/studio environment. Various rehearsal methods are explored, along with an in-depth examination of the play's literary, historical, and performance background.
Repeatable: Yes
If Repeatable, Max. Credits: 8

Available High Impact Practices: research/creativity
♦

TAR 419 Stage Combat II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 213
Taught: Spring only
In-depth training with a specific weapon focusing on advanced techniques and scenes.
Repeatable: Yes
If Repeatable, Max. Credits: 6

TAR 425 Musical Theatre Performance III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 325 and consent of instructor.
Taught: Variable, check with department
Continuation of TAR 325; advanced techniques in specific areas of musical theatre performance including topical revue, auditioning, solo shows, and musical scenes.
Repeatable: No
♦

TAR 428 Advanced Stage Make-Up (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 118*, consent of instructor*
Taught: Variable, check with department
Provides an introduction to biology of skin, chemical terminology, make-up design professionalism and research, hygiene, the art of make-up design, modern make-up techniques, product management and safety, an introduction to molding and casting, working with wigs and hair, and prosthetic applications in gelatin and silicon.
Repeatable: No
♦

TAR 429 Musical Theatre Fourth Year Seminar (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): TAR 129, TAR 225, DAN 225, TAR 329
Taught: Fall only
Students will engage in advanced level ensemble work, creating a "senior showcase" that will serve as a marketing tool to help transition into the professional world. Students will develop and fine tune their "brand," organize and prepare for auditions with professional employers, and work with a variety of guests to help them successfully transition into quality employment post-graduation.
Repeatable: No
♦

TAR 441 Special Problems in Theatre and Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Two TAR Group III courses or consent of instructor.
Taught: Variable, check with department
See TAR 411.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

TAR 442 Dramatic Theory and Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Major documents in dramatic theory and criticism from Plato and Aristotle to the present.
Repeatable: No
♦

TAR 443 History of Costume and Décor II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 343 or consent of instructor.
Taught: Variable, check with department
Architectural, interior design, costume, and furniture history from Rococo through contemporary as applied to production design; methods and sources of research for design in theatre.
Repeatable: No
♦

TAR 446 History of the Theatre and Dramatic Literature III (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 346 and TAR 347.
Taught: Fall only
History of significant developments in theatre and dramatic literature from 1875 to present day.
Repeatable: No
♦

TAR 452 Special Problems: Theatre Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Opportunity for additional advanced work in the theatre student's area of concentration; multiple opportunities for performing artist's involvement in electives in specific area of interest.

Repeatable: Yes
If Repeatable, Max. Credits: 9

TAR 455 Musical Theatre Literature II (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
American musical theatre literature from late-19th century to the present.
Repeatable: No

TAR 461 Scene Painting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 160 or consent of instructor.
Taught: Fall only-even years
Practical analysis and application of scene painting skills; materials (paints, dyes, fabrics and equipment.
Repeatable: No
♦

TAR 464 Special Problems in Theatre Technology (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Two TAR Group IV courses or consent of instructor.
Taught: Variable, check with department
Opportunity for additional advanced work in the theatre student's area of concentration; multiple opportunities for performing artist's involvement in electives in specific areas of interest.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

TAR 466 Costume Construction II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 262 or consent of instructor.
Taught: Variable, check with department
Advance costume construction techniques, including pattern drafting, cutting, draping; practical application in preparation for university productions.
Repeatable: No
♦

TAR 470 Directing II (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): TAR 370.
Taught: Variable, check with department
Advance principles of directing; history of directing; problems encountered in directing period plays.
Repeatable: No
Available High Impact Practices: research/creativity
♦

TAR 471 Summer Dinner Theatre (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): Permission of the chair of theatre.
Taught: Summer only
Active participation in major roles, both in performance and technology and in production of a university summer stock theatre operation.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

TAR 477 Theatre and Dance as a Profession (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Junior or Senior Status or Consent of Instructor
Taught: Fall and spring
Practical problems of working in theatre & dance professions; resume, union affiliation, use agents, company membership, and additional professional training.
Repeatable: No
♦

TAR 481 Special Problems in Theatre: Playwriting/Criticism (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Two TAR Group III courses or consent of instructor.
Taught: Variable, check with department
Opportunity for additional advanced work in student's area of concentration; multiple opportunities for performing artist's involvement in electives in specific areas of interest.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

TAR 482 Screenwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101 and ENG 102, or ENG 104; TAR 340 recommended.
Taught: Spring only
Introduction to the elements of film script production and techniques involved in writing for the screen.
Repeatable: No
♦

TAR 490 Production Credits (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall, spring, and summer
Preparing for participation in college dramatic activities. May be repeated for a maximum of eight semester hours, all of which must be earned through active technical involvement of performances.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

TAR 491 Production Credits (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): TAR 160.
Taught: Fall, spring, and summer
Preparing for participation in college dramatic activities. May be repeated for a maximum of eight semester hours, all of which must be earned through active technical involvement of performances.
Repeatable: Yes
If Repeatable, Max. Credits: 8

♦

TAR 492 Student Research in Theatre and Dance (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Fall and spring
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved theatre and dance course.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

TAR 495 Senior Project (1 credit)
Hours: 0 classroom + 2-4 lab/studio
Prerequisite(s): Senior BFA status.
Taught: Fall and spring
Individual senior project in theatre required for BFA students. Projects authorized, supervised, and graded by individually appointed faculty. Written agreement between student and faculty member must be submitted to chair before registration.
Repeatable: No
Available High Impact Practices: capstone

♦

TAR 496 Theatre In World Cultures Capstone (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): TAR 245, TAR 348, TAR 400 and completed one study abroad course.
Taught: Variable, check with department
The World Cultures and Theatre Capstone experience allows students to explore an independent project under the close supervision of a faculty member. The project may take many forms, from a research paper to a creative project. The Capstone project should reflect intellectual rigor and a serious pursuit of excellence.
Repeatable: No

♦

TAR 498 Individual Studies in Theatre (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Individual creative or research projects in one or more areas: playwriting, directing, acting, dance, stagecraft, scene design, costume design, lighting design, sound design, or theory/criticism. Projects directed by TAR faculty must be approved prior to registration. A maximum of 6 semester hours of individual studies may be applied toward a major in theater arts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

TAR 499 Individual Studies in Theatre (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Individual creative or research projects in one or more areas: playwriting, directing, acting, dance, stagecraft, scene design, costume design, lighting design, sound design, or theory/criticism. Projects directed by TAR faculty must be approved prior to registration. A maximum of 6 semester hours of individual studies may be applied toward a major in theater arts.
Repeatable: Yes
If Repeatable, Max. Credits: 6

TAR 580 Adv. Studies in the Art of Playwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Department permission.
Taught: Variable, check with department
Intensive exploration of playwriting theory, approach, creativity, and style. Focus on developing the individual playwright's method and practice through creation of drama, research, and engagement with the theater community.
Repeatable: No

♦

TAR 582 Adv. Studies in the Art of Screenwriting (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Advanced exploration of the elements and techniques of film production and screenwriting. Focus on style and form; camera, geography, staging, balance, timing, and rhythm; business analysis of films and screenplays; and role of the screenwriter and other personnel.
Repeatable: No

TAR 599 Advanced Individual Studies in Theatre (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Graduate standing or consent of department.
Taught: Variable, check with department
Individual creative or research projects in one or more areas: playwriting, directing, acting, dance, stagecraft, scene design, costume design, lighting design, sound design, dramaturgy or theory/criticism. Projects directed or mentored by TAR faculty must be approved prior to registration.
Repeatable: No

♦

UNIVERSITY PROGRAMS

STAR 000 STAR Learning for Community and Career (0 credits)
Hours: 0 classroom + 0 lab/studio
Taught: Fall and spring
Students gain important cultural knowledge through encounters with transformative texts drawn from a faculty-designed core list. They **S**tudy, **T**hink, **A**ct and **R**eflect, apply what they learn using approaches suitable for community and career contexts.
Repeatable: Yes

UNV 101 Orientation to College and Beyond (1-3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Freshman standing or department approval.
Taught: Fall and spring
Emphasis on transition into college and development of college survival skills, development of student self-reliance as an active participant in classroom activities, familiarization with available university resources and establishment of learning communities within the University.

Repeatable: No

♦

UNV 150 First Year Research Exposure 1 credit hours
Hours: 1 classroom + 0 lab/studio
Taught: Fall
Provides students with basic skills required for exploring, evaluating and communicating research and to learn about research/creative activity currently occurring on campus; the object is to allow students to become discerning consumers of research and learn how to communicate more effectively to peers and the public.
Repeatable: No

UNV 155 Interdisciplinary Research Experience 1-3 credit hours
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): UNV 150
Taught: Spring only
This course explores interdisciplinary approaches to research questions.
Repeatable: No

UNV 301 University 101 Teaching Internship (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing; minimum GPA of 3.0; instructor consent.
Taught: Fall only
Enrolled students will serve as teaching assistants in a University 101 class. Students will assist with class planning, make oral presentations on 101 topics, lead large and small group discussions, provide expertise and serve as mentors for new students.
Repeatable: No

♦

VISUAL ARTS

ART 100 Art Appreciation - AH (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Examination of the fundamental elements of fine art to increase one's artistic awareness: emphasis placed on developing skills in viewing, interpreting and understanding the use of art in cultural, historical and contemporary contexts. Includes hands-on studio component. For students not majoring in visual arts.
Repeatable: No
General Education Credit: Culture and Creativity

ART 130 Creating Visual Form (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Restricted to ART majors or minors only.
Co-requisite(s): ART 135
Taught: Fall, spring, summer
To enhance the perception of visual form through observation, translation, and documentation using a variety of media. Emphasis on physical craft and skills of fabrication.
Repeatable: No

♦

ART 135 Creating Visual Order (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART major or minor or photography minor.
Co-requisite(s): ART 130
Taught: Fall, spring, summer
Exploration of the visual elements and principles of art and design; investigation of basic skills, concepts, terminology and processes for two-and three-dimensional art making. Emphasis is on personal organization, goal setting, craft, and time management.
Repeatable: No

♦

ART 140 Building Meaning in Visual Art (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ART 130, ART 135 and ARTH 100.
Taught: Fall and spring
Exploration of idea development. Lectures/presentations of how worthy ideas and a personal artistic voice are developed via visiting artists, research of contemporary artists and concepts of art and design, and attending exhibitions in galleries and museums.
Repeatable: No

♦

ART 291W Advanced Writing-Writing/Artists - WC (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ENG 101, ART 130, ART 135, and ART 140.
Taught: Fall and spring
Practice in a variety of expository forms common to fields in the visual arts including: exhibition review, formal analysis, artist's statement, project proposal, grant writing, and development of strong research skills. Required for all Visual Arts majors. Open to non-art majors with consent of instructor provided they have completed ENG 101.
Repeatable: No
General Education Credit: Written Communication II

♦

ART 297 Portfolio Review (0 credits)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): 21 credit hours in art and overall GPA of 2.5.
Taught: Fall and spring
Critique forum to evaluate students' progress and skill level, to help students successfully complete the art degree program; mechanism for faculty to admit students to professional BFA programs. Not required for BA students. Can be repeated once for BFA admission only.
Repeatable: Yes
If Repeatable, Max. Credits: 0

♦

ART 299 Portfolio Review (0 credits)
Hours: 0 classroom + 1 lab/studio
Prerequisite(s): 21 credit hours in art and overall GPA of 2.5.
Taught: Fall and spring
Critique forum to evaluate students' progress and skill level, to help students successfully complete the art degree program; mechanism for faculty to admit students to professional BFA programs. Not required for BA students. Can be repeated once for BFA admission

only.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

ART 300 Art of the Book (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, ART 135, and ART 140.
Taught: Variable, check with department
Concepts, structures, and techniques necessary to create artists' books through lectures, slides, and visits to collections; binding techniques, paper, and materials; photocopying, rubber stamping, and letterpress printing.
Repeatable: No
♦

ART 315 Concept and Narrative Development (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): sophomore standing
Taught: Fall
An introduction to different types of storytelling from character design to comics to storyboarding for video and animation. Assignments will require intensive drawing practice.This class should improve student communication skills in narrative form whether it is a graphic novel, or animated series.
Repeatable: No

ART 317 Web and Social Media for Artists (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, ART 135, ART 140, and ARTO 210.
Taught: Variable, check with department
Create web sites for artists for the purpose of research, self-expression and self-promotion using image and web programs. Students learn effective use of animation and static pages to communicate with viewer on internet.
Repeatable: No
♦

ART 326 Illustration (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 210, ARTP 230 and ARTD 310.
Taught: Spring only
Techniques of creative rendering.
Repeatable: No
♦

ART 380 Study Abroad in Art (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check with department
Students would participate in and complete assignments associated with traveling with a member of the Department of Art faculty and or student group.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ART 394 Topics in Art (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Taught: Fall and spring
Group or individual study/research projects with art department faculty. Topics vary and include technical, conceptual and aesthetic issues and are listed in Schedule of Classes. Repeatable to 6 semester hours toward major in art.
Repeatable: Yes
If Repeatable, Max. Credits: 6

ART 450 Advanced Studio Seminar (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Criticism of work, practical gallery experience, and expansion of awareness of contemporary professional realities in the exhibition and sale of one's work.
Repeatable: No

ART 494 Topics in Art (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable-chck w/dept
Group or individual studio study/ research projects in selected media with faculty. Topics vary and include technical, conceptual, and aesthetic issues and are listed in Schedule of Classes. Repeatable up to 6 semester hours toward major in art.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ART 496 Teaching Assistantship in Art (1-3 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor and chair, junior or senior standing in Visual Arts.
Taught: Fall and spring
Student will assist a current faculty member in the teaching of a course within the Department of Art. Student responsibilities/involvement would vary based on a written agreement with instructor.
Repeatable: No
♦

ART 497 Senior Exhibition (1 credit)
Hours: 1 classroom + 1 lab/studio
Prerequisite(s): ART 297 or ARTV 297.
Taught: Fall and spring
Capstone experience for all BFA students majoring in art. During the senior year of residency in Visual Arts, students will learn valuable skills of exhibition design and production, culminating in an exhibition of their work critiqued by a faculty committee. All BFA students must register for and pass BFA Senior Exhibition.
Repeatable: No
Available High Impact Practices: research/creativity
♦

ART 498 Independent Study in Art (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Visual Arts program permission.

Taught: Fall and spring
Projects, directed by faculty members, must be selected before registration. No more than two independent study projects may be applied toward the major in art for up to a total of 6 hours.
Repeatable: Yes
If Repeatable, Max. Credits: 6

ART 499 Gallery/Museum Internship (1-3 credits)
Hours: 3-6 classroom + 0 lab/studio
Prerequisite(s): Art & Design program permission.
Taught: Fall and spring
Student works in gallery or museum gaining practical experience in methods, procedures, and programming specific to professional exhibition venues in the visual arts.
Repeatable: No
♦

ARTA 210 Animation Studio (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 140 , ARTM 350
Taught: Spring only
Explores the breadth of animation techniques from stop motion and flip-books to GIFs and 2D animation and experimental techniques. Conceptual development will be explored with character design, storyboards and the advancement of the techniques and principles of animation. Skill development will concentrate on multiple animation platforms.
Repeatable: No

ARTA 311 Character Animation I (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTA 210, DFX 307, DFX 309
Taught: Fall
Expand on 2D and 3D animation practices and digital skills of frame-by-frame sequential media. Further development of conceptual frameworks, narrative and experimental techniques, sound integration and keyframes will be covered. Synthesize skills to create characters and animations that tell a coherent story with emotional and logical integrity.
Repeatable: No

ARTA 394 Topics in Animation (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 310 , ARTM 350
Taught: Fall
Topics vary from semester to semester. This studio course will explore trends and techniques in animation. May be repeated when topics vary.
Repeatable: No

ARTA 412 Character Animation II (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTH 332 or ARTH 454
Taught: Spring only
Development of conceptual and narrative techniques to develop aesthetics to support a creative vision. Collaboration, professional practices, and logistics of working in a professional animation studio will be explored. Techniques and skills will be employed to further the emotional arc, communication of ideas, and developing an expressive engaging animation project.
Repeatable: No

ARTA 461 Senior Capstone in Animation I (3 Credits)
Hours: 1 classroom + 3 lab/studio hours
Prerequisite(s): ARTA 412, DFX 330, DFX 320
Taught: Fall
Each student will develop unique stylistic and technical goals that explore personal and academic interests and career objectives in animation. The student will plan and create a project of the student's choosing from start to finish. This coursework will continue over the course of an academic year in ARTA 462.
Repeatable: No

ARTA 462 Senior Capstone in Animation II (3 Credits)
Hours: 1 classroom + 3 lab/studio hours
Prerequisite(s): ARTA 461
Taught: Spring only
Each student will develop unique stylistic and technical goals that explore personal and academic interests and career objectives in animation. The student will plan and create a project of the student's choosing. This coursework is a continuation over the course of an academic year from Senior Capstone Animation I .
Repeatable: No

ARTC 240 Ceramics I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, ART 135.
Prerequisite OR Co-requisite: ART 140 or permission of instructor.
Pre-requisites and Co-requisites are waived for non-majors.
Taught: Fall and spring
Nature of clay and ceramic materials; traditional methods of pinch, coil, and slab formations.
Repeatable: No
♦

ARTC 340 Wheel Throwing (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTC 240.
Taught: Fall and spring
Basic orientation to wheel throwing; technique, form, and function; individual problem solving; maintaining and firing kilns; stoneware and firing techniques.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTC 341 Ceramic Sculpture (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTC 240.
Taught: Spring only
Clay as a sculptural medium; fabrication techniques, clay body formulation, and surfaces; engineering, installation, and assembly; introduction to experimental processes; individual problem solving.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTC 342 Raku and Primitive Firing (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTC 240.
Taught: Fall only
Advanced studio credit in Raku and primitive firing techniques.
Repeatable: No
♦

ARTC 442 Ceramics Materials and Techniques (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTC 340 or ARTC 341.
Taught: Fall only
Clay and glaze theory and formulation; materials handling and studio maintenance; laboratory work, lectures, and research. Required of students who concentrate in ceramics.
Repeatable: No
♦

ARTD 210 Drawing I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
This course will focus on establishing a fundamental knowledge of drawing through materials and techniques emphasizing practice from observation, perception, memory, and imagination. Enrollment restricted to ART majors only.
Repeatable: No
♦

ARTD 310 Drawing II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 210.
Taught: Fall and spring
Human figure in development of spatial and tonal concepts; various media and color; advanced study of figure directed toward an individual medium and style.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTD 317 Drawing for Animation (3 Credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 310 , ARTA 210
Taught: Fall
Intermediate drawing course with a focus on methods, concepts, materials, and techniques related to improving drawing skills for animated film through observation. Students will increase abilities to render action and volume in figure drawing and environmental sketching to help set a scene for characters.
Repeatable: No

ARTD 410 Advanced Drawing (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 310 for 6 hours.
Taught: Fall and spring
Students will work towards execution of a body of work expressive of their cumulative knowledge; life drawing encouraged; working toward a graduating senior show. To be repeated for a minimum of 6 semester hours or a maximum of 12 semester hours.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTE 280 Art for Elementary Education (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): EDU 104.
Taught: Fall, spring, and summer
Use of appropriate teaching methods, materials, techniques and vocabulary to develop meaningful art experiences in an elementary classroom. For students seeking provisional certification in Elementary Education.
Repeatable: No
♦

ARTE 380 Concepts in Art Education (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ART 130, ART 135, ART 140.
Co-requisite(s): ARTE 381.
Taught: Variable, check with department
Introduction to the field of art education. Examination of current issues, teaching resources; standards; historical roots of contemporary theories in art education.
Repeatable: No
♦

ARTE 381 Art Education: Content I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTE 380.
Taught: Variable, check with department
Teaching methods, materials and inquiry for use in elementary art classrooms. Includes practical field experiences.
Repeatable: No
♦

ARTE 382 Art Education: Content II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTE 381.
Taught: Variable, check with department
Teaching methods, materials and inquiry for use in secondary art classrooms. Focus on curriculum development, assessment and classroom management. Includes practical field experience.
Repeatable: No
♦

ARTH 100 History of Art: Renaissance Modernism (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Examination of major artists and styles of Western Europe from the 15th through the mid-20th century within an historical and cultural context.
Repeatable: No

ARTH 101 History of Art: Prehistoric through Goth (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall and spring
Examination of significant art and architecture from prehistory through Medieval Period.
Repeatable: No

ARTH 304 Survey of Asian Art (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 3 semester hours of ARTH.
Taught: Spring only
Major styles of architecture, sculpture, printmaking, painting, and ceramics of India, South Asia, China, and Japan.
Repeatable: No
♦

ARTH 321 History of Visual Communication Design (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTH 100, ARTV 283, and ARTV 317.
Taught: Fall and spring
Survey of a history of graphic/visual communication design and typography including consideration of influential cultural forces, theories for design, and related fields; influences of fashion, industrial, and interior design, art, architecture, and technology discussed.
Repeatable: No
♦

ARTH 332 History of Animation (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTH 100 and ARTA 210
Taught: Fall
Students will gain information and insight toward a thorough understanding of the evolution of Animation from Prehistory through present day. Social issues and cultural attitude and scientific/technological developments will form part of the discussion. Students will also examine critical theories addressing themes that have influenced contemporary animation.
Repeatable: No

ARTH 349 Women and Art (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Significant women artists in the history of Western art from antiquity through modern times; issues and themes affecting women's participation in the visual arts.
Repeatable: No

ARTH 355 Art of the Twentieth Century (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTH 100 or ARTH 101 or ARTH 304.
Taught: Variable, check with department
Major art styles in Europe and America.
Repeatable: No
♦

ARTH 358 History of Photography (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Survey of the major issues and developments in photography from 1835 to the present.
Repeatable: No

ARTH 359 Arts and Crafts of Japan (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTH 304
Taught: Variable, check with department
Historical, cultural survey of Japanese arts and crafts; includes painting, printmaking, ceramics, textiles, gardening, Kabuki, and Noh drama.
Repeatable: No
♦

ARTH 360 African-American Art (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
This course will examine the art of African Americans within an historic, social, cultural and religious framework. Influences and connections will be sought from an examination of African traditions, rituals and design as well as contemporaneous trends in music and the performing arts.
Repeatable: No

ARTH 394 Topics in Art History (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): ARTH 100 or ARTH 101 or ARTH 304 or consent of instructor.
Taught: Variable, check with department
Group or individual study/research projects with art history faculty. Topics vary and include technical, conceptual, aesthetic and/or historical issues and are listed in the schedule of classes. Repeatable to 6 semester hours toward major in art.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTH 452 Arts of South Asia (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTH 304
Taught: Variable, check with department
Cultural and historical topics on South Asian art and artifacts; aesthetics, architecture, film, literature, painting, and sculpture.
Repeatable: No
♦

ARTH 454 Art Now (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): 6 credit hours of ART Survey courses (ARTH 100, ARTH 101, or ARTH 304).
Taught: Variable, check with department
In-depth study of contemporary art, the major movements and artists working today with an emphasis on the role of theory and criticism.
Repeatable: No
♦

ARTM 331 Digital Arts & Effects (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140 or sophomore standing for non-art majors.
Taught: Fall only
Investigation into concepts, structures, and techniques necessary to produce sophisticated digital imagery using a variety of word and image programs.

Repeatable: No

♦

ARTM 350 Video, Installation & Sound I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140 or sophomore standing for non-art majors.
Taught: Fall only
This course will explore the conceptual components of video, installation and sound art while providing specific skills using non-linear editing software and creating site specific work.
Repeatable: No

♦

ARTM 360 Robotic Art (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course will explore emerging technological based artworks that include robotics, kinetics and interactive media. Conceptual components of time, space, and interactivity will be researched in this course while providing specific skills in fabricating moving objects and other robotic elements. There will be a series of workshops in which one will learn the skills, capabilities and building techniques of electricity, motors, programming circuits and implementing them into your ideas and artwork. The course will culminate with an independently created robotic controlled object that the student will fabricate.
Repeatable: No

♦

ARTM 361 A.I. and Interactive Media Studio (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course will explore interactive media allowing students to create and augment work that will react to the viewer. In addition concepts and principles of Artificial Intelligence will be explored and integrated into art, video and or mechanical systems.
Repeatable: No

♦

ARTM 394 Topics in New Media Art (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
Topics vary from semester to semester. This studio course will explore emerging technological and time based artwork. Conceptual components of time, space, performance and technology will be researched and explored. May be repeated when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTM 450 Video Installation and Sound II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTM 350.
Taught: Spring only
This course will explore conceptual components of video art while providing advanced skills in pre-production, production and post-production. Including the study of film, social theory, video art and their interrelationships. Students will learn advanced non-linear editing and sound techniques. Students will explore the different ways in which to exhibit video based work including installation, performance, and new genre.
Repeatable: No

♦

ARTM 451 New Media-Integrative Art (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTM 350.
Taught: Variable, check with department
Students will work with external organizations or departments at the University outside the Department of Visual Arts to create an integrated project that utilizes this knowledge base and information.
Repeatable: No

♦

ARTM 460 Advanced New Media Art (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ARTM 450.
Taught: Variable, check with department
Students are expected to work toward a unique conceptual and technical framework that embodies their personal vision and studio art practice. Students are expected to execute a consistent body of work suitable for exhibition as a one-person show/senior show. To be repeated a minimum of 3 semester hours or a maximum of 9 semester hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTO 210 Photography I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140 or consent of instructor for non-majors.
Taught: Fall and spring
Basic digital camera work in black and white; basic camera controls, photographic vision, photo history; contemporary trends; introduction to current software and digital printing techniques. Students are required to supply a digital SLR camera as well an external hard drive.
Repeatable: No

♦

ARTO 310 Photography II: Digital Techniques (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 210.
Taught: Fall and spring
Continuation of ARTO 210 with addition of advanced techniques in digital manipulation, introduction to current software for photo editing and fine printing.

Repeatable: No

♦

ARTO 312 Introduction to Studio and Location (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 210.
Taught: Variable, check with department
The world of creative commerical photography with advanced instruction in the use of digital cameras, including white balance, color temperature, flash, editing, archiving, processing and studio lighting. Portfolio preparation and basic business practices are covered with weekly photo and writing assignments covering topics concerned with contemporary commercial and editorial photography.
Repeatable: No

♦

ARTO 410 Advanced Concepts in Photography (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 310 and ARTO 312.
Taught: Fall and spring
Student is expected to work towards a personal visual statement; relationship of student's work with past and contemporary photographs; final development of a body of work suitable for exhibition as a one-person show. To be repeated a minimum of 6 semester hours or a maximum of 9 semester hours.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTO 411 Summer Workshop in Photography (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 210.
Taught: Summer only
Intensive summer workshop in photography covering a variety of approaches and techniques.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTO 413 Advanced Location Photography (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 310 and ARTO 312.
Taught: Spring only
Overview of Advanced creative commercial photography; studio illustration and architectural photography.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTO 414 Advanced Studio Photography (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 310 and ARTO 312.
Taught: Fall only
Advanced creative commerical photography techniques, studio portraits, environmental portraiture, fashion, color and industrial photography.
Repeatable: No

♦

ARTO 415 Documentary Photography (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTO 310 and ARTO 312.
Taught: Fall only
The photo-documentary as an expression of history, sociology, and the human condition.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTO 416 Photography Capstone (1 Credits)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Senior standing.
Co-requisite(s): ARTO 410.
Taught: Fall and Spring
Students propose and complete an individual capstone project that incorporates personal photographic work with their chosen integrated minor (DFX, JOU, or ENTP). Only for Bachelor of Science in Studio Arts, Photography Track students in their final semester.
Repeatable: No
Available High Impact Practices: research/creativity

♦

ARTP 230 Painting I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, ART 135, and ARTD 210.
Prerequisite OR Co-requisite: ART 140.
Taught: Fall and spring
Use of oil painting media; focusing on fundamental painting techniques from direct observation; criticism and contemporary concepts.
Repeatable: No

♦

ARTP 330 Painting II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTP 230.
Taught: Fall and spring
Fundamental issues of figurative painting; sophistication of technique; continued development of personal expression and creative invention based on observation and compositional concerns; exposure to professional standards for craft and conceptual responsibility.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTP 333 Materials and Techniques in Painting (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTP 230.
Taught: Fall only-odd years
Various Paint media techniques; professional studio methods; conceptual and craft development.
Repeatable: No

♦

ARTP 430 Painting III (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTP 330.
Taught: Fall and spring
Individual problems in painting; specialization in techniques suited to personal expression; independent painting under staff guidance; development of a consistent body of work suitable for a graduating senior show. To be repeated a minimum of 6 semester hours or a maximum of 12 semester hours.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTR 272 Printmaking I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130 and ART 135.
Prerequisite OR Co-requisite: ART 140.
Taught: Fall and spring
Basic concepts in printmaking procedures: preparation of blocks and plates, inking, registration, printing by hand and with the press; relief, monoprint, and etching techniques.
Repeatable: No

♦

ARTR 373 Printmaking II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTR 272.
Taught: Fall and spring
Continuation of introductory printmaking; further development of technique and personal imagery in various printmaking disciplines; relief, intaglio, monoprint, silkscreen, or colagraphy.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

ARTR 374 Techniques in Printmaking (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140.
Taught: Fall and spring
Methods and processes in fine art printmaking in one or more of the following: relief, colagraphy; intaglio, lithography, mixed media, monotype, photo printmaking, screen printing; development of personal imagery.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTR 375 Screen Printing (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140.
Taught: Fall and spring
Methods and processes in fine art screen printing including paper, screen filler, drawing fluid, and photo emulsion techniques. Development of personal imagery, and technical skill.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTR 473 Advanced Printmaking (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTR 373 or ARTR 374.
Taught: Fall and spring
Advanced techniques in printmaking; development of personal imagery, refinement of technical skills, experimentation in mixed techniques; color printing.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTR 474 Workshop in Printmaking (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Fall and spring
Independent study in advanced printmaking.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTS 262 Sculpture I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130 and ART 135.
Prerequisite OR Co-requisite: ART 140 or consent of instructor for non-majors.
Taught: Fall and spring
Introduction to sculpture concepts, media, and techniques.
Repeatable: No

♦

ARTS 360 Techniques in Sculpture (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130, and ART 135.
Prerequisite OR Co-requisite: ART 140 or consent of instructor.
Taught: Variable, check with department
Methods and processes in sculpture with an emphasis on fabrication and casting techniques, personal artistic development and discipline awareness.
Repeatable: No

♦

ARTS 394 Topics in Spatial Arts (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTC 240 or ARTS 262 or permission of instructor.
Taught: Fall only
Group or individual projects in spatial arts; topics vary and include technical, conceptual and aesthetic issues and are listed in the schedule of classes. Possible Topics include: The Figure in Space Nature Art Public Art.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTS 460 Advanced Spatial Arts (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): 9 credits of 300 level chosen from ARTC or ARTS classes or permission of instructor.
Taught: Fall and spring
Development of a body of work suitable for a senior exhibition based upon a personal vision. Independent development in technical areas; conceptual development.
Repeatable: Yes
If Repeatable, Max. Credits: 12

♦

ARTV 101 Adobe Creative Cloud: Vis. Design Basics (3 credits)
Hours: 3 classroom + 3 lab/studio
Taught: Fall and spring
Exposure to digital imaging tools with focus on Adobe Creative Cloud software including Photoshop, Illustrator, Indesign and Bridge for creating visual graphics for potential use in layout, interactive, print and other multi-media production scenarios. Application of learning is for general creative and academic contexts. A primer in elementary concepts of layout, design and typography principles. For students outside of Visual Communication Design major.
Repeatable: No

ARTV 201 Intro to Computer Graphics for Design (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 130 and ART 135.
Prerequisite OR Co-requisite: ART 140.
Taught: Spring only
Introduction to industry-standard software used for vector illustration, raster image composition, and hybrid layouts. May be substituted by CEP 300 with consent of instructor or academic adviser.
Repeatable: No
♦

ARTV 215 Visual Communication Design (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTD 210, ART 130, ART 135, ART 140 and ARTV 201.
Co-requisite(s): ARTV 217 and ARTV 283.
Taught: Fall only
Introduction to the principles and theory of visual communication design; studio development of techniques and approaches for creative conceptualization, design aesthetics and information design; exploration through the design process; exploration of media/materials; presentational development.
Repeatable: No
♦

ARTV 217 Typography I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 201, ART 130, ART 135, ART 140 and ARTV 201.
Co-requisite(s): ARTV 215 and ARTV 283.
Taught: Fall only
Studio introduction to principles, theory, and history of typography for communication and visual expression. Design aesthetics and functional dimensions of the fundamentals of typography are explored.
Repeatable: No
♦

ARTV 283 Visual Communication Admittance Review (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ARTD 210, ART 130, ART 135, ART 140, and ARTV 201.
Co-requisite(s): ARTV 215 and ARTV 217.
Taught: Fall only
Admittance review into the visual communication design program. Students present work from the introductory design and foundations-level courses for review by the design faculty for consideration in declaring the major.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

ARTV 297 VCD Portfolio Review (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): ARTV 283 and ARTV 317, (to be taken after 60 semester hours of university course work or 21 credit hours in art; must be taken in either fall or spring of intermediate-level year) and overall GPA of 2.5.
Taught: Fall and spring
Critique forum to evaluate students' progress and skill level, to help students successfully complete the art degree program in VCD; mechanism for faculty to admit students to professional VCD BFA program. Can be repeated once for BFA admission only. Not required for BA students.
Repeatable: Yes
If Repeatable, Max. Credits: 0

♦

ARTV 315 Visual Communication Design II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 215, ARTV 217, ARTV 283.
Co-requisite(s): ARTV 325
Taught: Fall only
Development of skills for design systems thinking and applications; principles of information design and visual semantics; design with multiple forms of media for generating bodies of branded visual communication materials and sequential graphics.
Repeatable: No
♦

ARTV 317 Typography II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 201, ARTV 215, ARTV 217, ARTV 283.
Taught: Spring only
The application of typographic fundamentals to visual communication design contexts and systems; aesthetics, form, functionality and experimentation with typography in increasingly complex contexts. Exploration of formal expressions of meaning

and message.
Repeatable: No

♦

ARTV 325 Techniques in Visual Communication Design (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 283, ARTV 317 and ARTV 315.
Co-requisite(s): ARTV 315
Taught: Spring only
Imaging, prototyping, sustainable production methodologies and techniques for producing high-quality visual design across print and interactive media. Studio-based course that instructs on best practices and experiments with new tools in proposing and actualizing design ideas.
Repeatable: No

♦

ARTV 330 Interaction Design for Visual Communication Design I (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 283, ARTV 317.
Taught: Spring only
This course focuses on the fundamental designing of websites and interfaces for visual communication through studio-based inquiry and visual problem-solving. This includes visual, conceptual, and creative strategies and processes for design for web, digital media and human experiences; information architecture; the aesthetics of interaction design; screen-based typography; human factors, usability, and web standards. Students learn web authoring tools and technology in addition to basic animation software to engage in challenges that build competencies in visual communication design contexts.
Repeatable: No

♦

ARTV 392 Student Research in Visual Communication (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department
Taught: Fall and spring
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved art course.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

ARTV 396 Portfolio Prep Visual Communication Des. (1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): ARTV 283 and ARTV 317.
Taught: Fall and spring
Portfolio package creation for Visual Communication Design majors preparing to enter into industry-professional internship or employment. Digital, interactive or print portfolios are prepared in relation to current practices and individual student career orientation. Students entering into course are responsible for having a sufficient number of works prior to entering course-this course focuses on portfolio creation, not project development.
Repeatable: Yes
If Repeatable, Max. Credits: 2

♦

ARTV 415 Visual Communication Design III (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 297, ARTV 315, ARTV 317, ARTV 325, ARTV 330, ARTV 417.
Taught: Spring only
Comprehensive graphic designing in project form across media; critical thinking on formal, functional, and professional levels; the social impact of design; client and agency skills directed toward individual areas of specialization and professionalism.
Repeatable: No

♦

ARTV 417 Typography III (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 297, ARTV 215, ARTV 217, ARTV 283, ARTH 321, ARTV 315, ARTV 317 and ARTV 325.
Taught: Fall only
Advanced explorations, applications of and innovations with typography in complex visual communication contexts; functional and aesthetic design considerations in varied media and formats; exploration of organizational systems for the design of large amounts of varied/sequential content.
Repeatable: No

♦

ARTV 421 Topics in Visual Communication Design (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 283 and ARTV 317.
Taught: Spring only
Topics listed in Schedule of Classes as topics change. Repeatable to 9 semester hours toward a major in visual communication design.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

ARTV 425 Information Design (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ART 297, ARTV 317, ARTV 315, ARTV 325, and ARTV 330.
Taught: Fall only
Transformation of complex data into understandable forms of information through clear visual presentations, systems and experiences; User- centered visual design principles and aesthetics are applied across media to time-based, diagrammatic, pictogrammatic, navigational/wayfinding, instructional, and educational topics.
Repeatable: No

♦

ARTV 427 Motion Design (3 credits)
Hours: 0 classroom + 3 lab/studio
Prerequisite(s): ART 297, ARTV 317, ARTV 315, ARTV 325, and ARTV 330.
Taught: Spring only
This course focuses on designing motion, animation and time-based experiences for visual communication design contexts through studio inquiry and visual problem-solving. This includes visual, conceptual, technical, and creative strategies and processes to produce animations for multimedia environments. Students build competencies with motion design tools, technology and software.
Repeatable: No
♦

ARTV 428 Visual Communication Design Capstone (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): ART 299, ARTV 417 and ARTV 425.
Co-requisite(s): ART 497.
Taught: Fall only
Development of a comprehensive, student-devised project reflecting cumulative knowledge in visual communication design strategies and media; planning, creation, direction, and execution of that design project; development of professional practice skills, personal portfolio, exhibition, and public presentation.
Repeatable: No
Available High Impact Practices: research/creativity
♦

ARTV 430 Interaction Design for Vis Com Des II (3 credits)
Hours: 3 classroom + 3 lab/studio
Prerequisite(s): ARTV 283, ART 297, and ARTV 330.
Taught: Fall only
Advanced studio inquiry in interaction design through a framework of visual communication strategies for mobile and environmental media.
Repeatable: No
♦

ARTV 496 Visual Communication Design Internship (3 credits)
Hours: 3 classroom + lab/studio
Prerequisite(s): ARTV 283, ARTV 315, ARTV 325, and ARTV 330.
Taught: Fall and spring
Experiential Component for Visual Communication Design majors. Students arrange a design internship or similar experience that acclimates them to the profession of visual communication design before graduation. Students must make arrangements with instructor before beginning this course. Repeatable up to 6 hrs. (or CEP 300 Cooperative Education (1-3 credits))
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

WOMEN'S AND GENDER STUDIES

WGS 150 Intro to Contemporary Gender Issues - SB (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Fall, spring, and summer
Uses gender as a lens to analyze: the social, political, economic, cultural, and personal conditions in multi-ethnic societies; the complexity of the social construction of gender; and the interaction of gender, race, sexuality, and class on diverse global experiences that informs our understanding of cultures and our place within them.
Repeatable: No
General Education Credit: Cultural Pluralism

WGS 150H Honors Introduction to Women's Studies (3 credits)
Hours: 3 classroom + 0 lab/studio
Taught: Variable, check with department
Interdisciplinary and cross-cultural readings on social, political, economic and personal condition of women in multi-ethnic society; complex ways of social construction of gender; interaction of gender, race, and class on women's lives.
Repeatable: No
General Education Credit: Cultural Pluralism

WGS 310 Gender in the Workplace (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall, spring, and summer
Interdisciplinary and multicultural examination of the impact of gender, race, sexual orientation, and class in the workplace; relationships between workers and their employers; and cooperation and competition among workers from diverse backgrounds.
Repeatable: No
♦

WGS 317 Gender and Communication (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Principles, concepts, and characteristics defining gendered communication. To enhance knowledge and understanding of the elements key to successful communication across genders, whether they are business, personal, social, familial, or intimate. Also, the role of socialization in gendered development will be explored.
Repeatable: No
♦

WGS 350 Perspectives in Feminist Theory (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Feminist theories from different disciplinary perspectives, including feminist philosophy, literary theory, history, and art theory.
Repeatable: No
♦

WGS 360 Gendered Spirituality (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable-chck w/dept
Explore different issues facing society with a focus on spirituality. The course may be used as an elective in the Religious

Studies and Women and Gender Studies minors.
Repeatable: No

♦

WGS 361 Gendering God (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable-chck w/dept
Explore the Judeo/Christian Wisdom (Sophia) Literature. The course may be used as an elective in the Religious Studies and Women and Gender Studies minors.
Repeatable: No

♦

WGS 370 Hating Girls 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
An intersectional study of misogyny.
Repeatable: No

WGS 381 Gender in Literature (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Advanced readings and discussion of literary works using gender as a lens. May be repeated for credit when subjects differ. See Schedule of Classes for current topic.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WGS 382 Women and Society (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Readings and discussion in the general areas of women's contributions to major historical events, the history of women, or women's part in social movements or groups. May be repeated for credit when subjects differ.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WGS 383 Women and World Cultures (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall only
Readings and discussion of women from a global perspective. May be repeated for credit when subjects differ. See Schedule of Classes for current topic.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WGS 384 The Gendered Self and the Environment (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
Gendered aspects of the philosophy, spiritual, or psychological interactions with Nature. May be repeated for credit when subjects differ. See Schedule of Classes for current topic.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WGS 385 Gendered Television and Film (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite OR Co-requisite: Sophomore standing.
Taught: Variable, check with department
Students will analyze depictions of gender in film. Topics vary by instructor. May be repeated for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 12 credit hours

♦

WGS 386 Women in the Bible (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Variable, check with department
This course provides a thematic feminist introduction to women in the Bible.
Repeatable: No

♦

WGS 388 African-American Women's History/Culture (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only-even years
Discussion-oriented course examines African-American women and their cultures.
Repeatable: No

♦

WGS 394 Topics in WGS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Interdisciplinary study of a specific topic in women's or gender studies. May be repeated for credit when subjects differ. See Schedule of Classes for current topic.
Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WGS 405 Understanding Our LGBTQ+ Past 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall
A survey of the history of gender identity and sexual orientation. Designed to strengthen skills of Inquiry and Analysis, Critical

Thinking, and Integrative Learning, as applied to the political, economic, cultural and social conditions relating to LGBTQ+ issues. The historical time period is at the discretion of the professor.
Repeatable: No

WGS 407 LGBTQ+ Cultural Competency Training 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
This course focuses on how to recognize, understand, and respect the role of culture in American life, particularly that of LGBTQ+ individuals. It develops skill sets applicable to any career encountering LGBTQ+ clients, customers, or employees. Designed to strengthen students' skills of Inquiry and Analysis, Critical Thinking, and Integrative Learning.
Repeatable: No

WGS 408 The LGBTQ+ Top Ten 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Spring only
Examines the legacies of successful LGBTQ+ individuals from a wide range of disciplines.
Repeatable: No

WGS 409 Queer Spirituality 3 credit hours
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall
Explores the social and religious cultural pressures of North American society, and Christianity in particular, related to the civil and human rights of lesbian, gay, bisexual, transgender, and queer persons.
Repeatable: No

WGS 444 History of Women in the U.S. to 1900 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Sophomore standing.
Taught: Fall and spring
Women's role in U.S. economic, social, political, and cultural development until 1900; participation of women in historical eras from earliest societies through industrialization as experienced in diverse ways depending on racial, ethnic, class, and regional differences.
Repeatable: No
♦

WGS 445 History of Women in the US after 1900 (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): HIS 103.
Taught: Fall only-even years
Women's role in U.S. economic, social, political, and cultural development since 1900; participation of women in recent history as experienced in diverse ways depending on racial, ethnic, class, and regional differences.
Repeatable: No
♦

WGS 494 Gendered Experiential Learning (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Completion of one WGS course.
Taught: Spring only-odd yrs
Real-world experiential credit with public, private, non-profit organization or business partners under the direction of a WGS faculty member. Experiences may also include study abroad and study away. May be repeated for credit when subjects differ.
Repeatable: Yes
If Repeatable, Max. Credits: 9

♦

WGS 499 Independent Study in WGS (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Completion of one women's and gender studies course.
Taught: Variable, check with department
Individual creative research, or community service projects directed by faculty members. Written agreement between faculty member and student must be submitted to director before registration; elements of agreement to include purpose, objectives, and evaluation procedures.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

WGS 536 LGBTQIA+ and the Professions (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher
Taught: Fall only
An overview of how successful professionals include and affirm LGBTQIA+ colleagues, customers, clients, and patients. This course explores a range of professions: Arts and Humanities; Athletics; Business; Communication; Education; Healthcare & STEM; Public Administration & Law; Social Work & Psychology. It counts towards the graduate LGBTQ+ micro-credential.
Repeatable: No
♦

WGS 537 LGBTQIA+ Community Building (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing or higher
Taught: Spring only
An overview of how LGBTQIA+ Americans overcame discrimination, struggled for their civil rights, and created communities in the cities, towns, and rural areas of the United States. It counts toward the graduate LGBTQ+ micro-credential.
Repeatable: No
♦

WGS 594 Topics in WGS (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Junior standing.
Taught: Variable, check with department
Advanced interdisciplinary study of a specific topic or issue. May be repeated for credit when subjects differ. See Schedule of Classes for current topic.

Repeatable: Yes
If Repeatable, Max. Credits: No Limit

♦

WORLD LANGUAGES

WLL 395 Study Abroad: World Languages & Lits. (1-3 credits)
Hours: 1-3 classroom + 0 lab/studio
Prerequisite(s): Consent of instructor.
Taught: Variable, check w/ department
Opportunity for students to engage in one or more departmentally approved courses abroad or away; topic listed in schedule of classes when course is offered. May be repeated once for credit when topics vary.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

WLL 396 World Languages and Literatures Internship (3 Credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Written permission of supervising faculty member; declared major or minor in World Languages and Literatures; B or better in a 300-level course in target language; GPA of at least 2.75.
Taught: Variable-chck w/dept
Selected placement of qualified students in off-campus work environments related to their target language.
Repeatable: No

♦

WLL 400 World Languages Program Assessment (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Senior standing.
Taught: Fall and spring
Required of all world language majors. Assessment procedures and activities are scheduled during the last semester of residence or of graduation. Graded pass/fail.
Repeatable: Yes
If Repeatable, Max. Credits: 0.5

♦

WLL 450 Methods of Teaching World Languages (3 credits)
Hours: (3 classroom + 0 lab/studio)
Prerequisite(s): 6 semester hours of a world language at the 300 level or above.
Taught: Fall only-even years
Theoretical and practical considerations of teaching world languages in elementary, middle, and secondary schools. Required of all students seeking teaching certification in a world language.
Repeatable: No

♦

OTHER COURSES

ART 492 Student Research in Art (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of department.
Taught: Fall and spring
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved art course.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

CHP 322 Healthcare for Hispanic Populations (3 credits)
Hours: 3 Classroom + 0 Lab Studio
Prerequisite(s): Sophomore standing
Taught: Variable, check with department
An overview of healthcare and cultural traditions, rituals, and traditional medicine for patients and families of Hispanic heritage.
Repeatable: No

♦

CHP 492 Scholarly Inquiry in a Health Discipline (0-3 credits)
Hours: Variable
Prerequisite(s): Junior standing in a health profession program.
Taught: Variable, check with department
Scholarly inquiry of a healthcare related topic. Inquiry may be a research study or scholarly project (evidence-based practice, quality improvement). May be conducted in collaboration with another student or faculty member.
Repeatable: No

DAN 130 Pilates Mat I (3 credit hours)
Hours: 0 classroom / 3 lab+studio hours
Taught: Variable, check with department
Introduction of major techniques for improved physical health and preparation for teaching or certification.
Repeatable: No

DAN 492 Student Research in Dance (0 credits)
Hours: 0 classroom + 0 lab/studio
Prerequisite(s): Consent of program
Taught: Fall and spring
Undergraduate research experience/creative experience that culminates in completion of one of the following: one peer-reviewed presentation/publication, an exhibition/ performance, or one mentored, out-of-class presentation that exhibits the student's research outcomes. This course can be taken as a coreq with an approved dance course.
Repeatable: Yes
If Repeatable, Max. Credits: Unlimited

♦

HHS 500 Teaching & Learning in Healthcare Educat (3 credits)
Hours: 3 classroom + 0 lab/studio
Prerequisite(s): Senior standing or admission to the MSHS or MSN programs.
Characteristics and learning styles of diverse populations of healthcare learners are examined. A variety of teaching methods that can be utilized by healthcare providers to promote optimal

learning in different education settings including the online environment are presented and analyzed.
Repeatable: No

♦

SCI 393 STEM Peer Mentors (0-1 credit)
Hours: 1 classroom + 0 lab/studio
Prerequisite(s): Completion of first year coursework within a STEM major, 3.0 GPA or higher within a major, and consent of instructor.
Taught: Fall and spring
Develop your skills as a leader in Science, Technology, Engineering and Mathematics (STEM) through topics on personal and professional growth. Students mentor first year STEM students. They also lead STEM events designed to foster community within STEM and provide growth opportunities for STEM Peer Mentors, themselves.
Repeatable: Yes
If Repeatable, Max. Credits: 6

♦

University Administration

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Tammy Knochelmann, Executive Assistant to the President and Executive Secretary to the Board of Regents

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Timothy Ferguson, Chief Information Officer, Information Technology
Andy Meeks, Director, Business Operations and Auxiliary Services
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Inclusive Excellence

Darryl Peal, Chief Diversity, Equity, & Inclusion Officer and Title IX Coordinator

Intercollegiate Athletics

Christina Roybal, Vice-President and Director of Athletics
John Kriebs, Senior Associate Director, Operations and Event Management
Matthew Schaefer, Assistant Director, Athletic Communications & Media Relations

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Grant Garber, Vice President, Legal Affairs and General Counsel
Larry Meyer, Director, Financial and Operational Auditing

Student Affairs & Enrollment Management

John Gaffin, Chief of Police, University Police
Bob Alston, Dean of Students
Sarah Aikman, Interim Assistant Vice President, Student Engagement & Inclusiveness
Leah Stewart, Assistant Vice President, Enrollment Management

University Advancement

Eric C. Gentry, Vice President, University Advancement
Carmen Hickerson, Vice President, Economic Engagement and Government Relations
Sarah Wise-Courtney, Associate Vice President, University

Marketing and Communications
Shelly Deavy, Assistant Vice President, Development
Erica Bolenbaugh, Senior Director, Advancement Operations
Amy Arbino Wylie, Senior Director, Alumni Engagement and Annual Giving
Krista Wiseman-Moore, Director, Special Events

Faculty and Emeritus Faculty

Faculty

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Abreu, Michelle, Assistant Professor, Respiratory Care (2022); MS, Franklin University 2016; BS Franklin University 2008.

Acosta, Charles A., Professor, Biological Sciences (2001); Ph.D., Old Dominion University, 1997; MS, University of New Orleans, 1992; BS, University of New Orleans, 1989.

Adams, Tracey R., Assistant Professor, Nursing (2014); MSN, University of Cincinnati, 2012; BSN, University of Cincinnati, 2010; JD, Salmon P Chase College of Law, 1997; BA, Miami University Oxford, 1993; DNP, Duke University.

Agard, David B., Associate Professor, Statistics (1990); Ph.D., Virginia Polytechnic Institute, 1990; MS, Virginia Polytechnic Institute, 1985; BA, University of Virginia, 1982.

Agnew, Junko, Assistant Professor, Japanese (2020); Ph.D., University of Washington, 2009; MA, University of Washington 2001; BA, Hunter College 1998.

Agrawal, Rupesh Kumar, Assistant Professor, Business Informatics (2022); Ph.D., Oklahoma State University, 2021; MBA, Oklahoma State University, 2012; MS, Wichita State University, 2007; BS, Manipal Institute of Technology, 1997.

Ahmed, Shamima, Professor, Public Administration (1995); Ph.D., Virginia Polytechnic Institute, 1991; MA, University of Akron, 1986.

Akers, Wesley R., Senior Lecturer, Electronic Media and Broadcasting (2004); MA, Florida Atlantic University, 2005; BA, Northern Kentucky University, 1996.

Al-Bahrani, Abdullah A., Associate Professor, Economics (2013); Ph.D., University of Kentucky, 2010; MS, University of Kentucky, 2007; MA, American University, 2003; BS, University of Louisville, 2002.

Al-Farhan, Usamah, Assistant Professor, Economics (2022); Ph.D.,Texas Tech University, 2010; MA, University of Jordan, 2002; BA, Yarmouk University, 1999.

Alberti, John, Professor, English (1991); Ph.D., University of California-Los Angeles, 1989; MA, University of California-Los Angeles, 1984; BA, University of Southern California, 1981.

Albritton, Matthew T., Associate Professor, Visual Arts (2001); MFA, The University of Texas at Austin, 2001; BA, University of California-Santa Cruz, 1993.

Alden, Eric J., Professor, Law (2011); JD, Columbia University-New York, 1994; MA, Other Non US College, 1991; BA, Harvard University, 1988.

Alexander, Shannon, Assistant Professor, Allied Health (2012); MHA, Ohio University, 2011; BS, University of Cincinnati, 2009.

Allen, James G., Associate Professor, Educational Leadership (2007); Ed.D., University of Cincinnati, 2003; M.Ed., University of Cincinnati, 1994; BS, University of Cincinnati, 1991.

Allen-Kattus, Kimberly F., Associate Professor, Visual Arts (1990); Ph.D., Union Institute & University, 1996; MA, University of Cincinnati, 1983; BA, Indiana University of Pennsylvania, 1976.

Almquist, Arne J., Associate Professor, Library Science (2001); Ph.D., University of North Texas, 2006; MS, University of North Texas, 1992; MFA, State University of NY-Buffalo, 1982; BA, State University of NY-Buffalo, 1980; BFA, State University of NY-Buffalo, 1980.

Alverson, James Ryan, Associate Professor, Teacher Education (2015); Ph.D., University of Alabama - Tuscaloosa, 2014; MA, University of Alabama - Tuscaloosa, 2006; BA, University of Alabama-Tuscaloosa, 2000.

Anderson, Chad, Assistant Professor, Business Informatics, (2015); Ph.D., Georgia State University, 2011; MBA, Eastern Kentucky University, 2006; BS, Eastern Kentucky University, 1998; BS, North Dakota State University, 1993.

Ankem, Kalyani, Associate Professor, Business Informatics (2013); Ph.D., University of Alabama-Tuscaloosa, 2000; MLS, University of Alabama-Tuscaloosa, 1994.

Appelman, Alyssa, Associate Professor, Journalism (2015); Ph.D., Pennsylvania State University, 2015; MA, University of Missouri-Columbia, 2009.

Applegate, Jason, Associate Professor, Allied Health (2016): MS, Midwestern State University, 2012; BUS, Morehead State University, 2002.

Arthur-Mensah, Nana, Associate Professor, Organizational Leadership (2015); Ph.D., University of Louisville, 2015. MS, University of Lousiville 2006; BS, University of Ghana, 1993.

Attar, Holly, Lecturer, Music (2013); DMA, University of Cincinnati, 2010; MM, Other US Colleges, 2004; BME, Central Michigan University, 2000.

Avenido, Anthony, Lecturer, Biological Sciences (2019); M.D., Fatima College of Medicine, 2001; BS, University of Louisville, 1991.

Bacevich, Amy, Lecturer, Teacher Education (2015); Ph.D., University of Michigan-Ann Arbor, 2010; M.Ed., University of Virginia, 2001; BA, Saint Mary's College, 1997.

Bailey, Rebecca J., Associate Professor, History (2006); Ph.D., West Virginia University, 2001; MA, West Virginia University, 1990; BA, College of William And Mary, 1988.

Ball, Pamilla J., Senior Lecturer, Chemistry & Biochemistry (2005); Ph.D., University of Cincinnati, 2005; BS, University of Cincinnati, 2001; BS, University of Cincinnati, 2000.

Banks, Rachael, Associate Professor, Visual Arts (2016); MFA, Texas Woman's University, 2015; BA, Bellarmine University, 2012.

Baranowski, Michael K., Professor, Political Science (2001); Ph.D., University of Kentucky, 1997; MA, University of Kentucky, 1996; BA, Baldwin-Wallace College, 1992.

Bardgett, Mark E., Regents Professor, Psychology (2000); Ph.D., University of Missouri-St Louis, 1991; MA, University of Missouri-St Louis, 1989; BA, University of Missouri-St Louis, 1986.

Bartlett, Robin M., Associate Professor, Psychology (2000); Ph.D., West Virginia University, 2000; MA, West Virginia University, 1997; BA, West Virginia University, 1993.

Barton, Mary, Lecturer, Music (2010); MAED, University of Louisville, 1999; BM, University of Louisville, 1998.

Benton-Lee, Jitana, Associate Professor, Nursing (2019) ; DNP, Northern Kentucky University, 2018; MSN, University of Phoenix, 2015; BSN, Eastern Kentucky University, 2005; MBA, Sullivan University, 2003; BA, Northern Kentucky University 2000.

Beuke, Callie Elizabeth, Assistant Professor, Nursing (2022); D.N.P., Northern Kentucky University, 2021; MSN, Northern Kentucky University, 2017; BSN, Northern Kentucky University, 2013.

Biazzin, Cristiane, Associate Professor, Management (2019); Ph. D., Sao Paolo Business School, 2015; MBA, Sao Paulo Business School, 2000; BA, Universidade Sao Judas Tadeu, 1995.

Bickers, John M., Professor, Law (2006); LLM, Georgetown University, 2003; LLM, Judge Advocate General's School (Army), 1999; JD, University of Michigan-Ann Arbor, 1991.

Bien-Amie, Steve L., Assistant Professor, Journalism (2018); Ph.D., Pennsylvania State University, 2016; BA, Pennsylvania State University, 2004.

Bills, Patricia, Assistant Professor, Teacher Education (2013); Ph.D., Michigan State University, 2013; MAED, University of Michigan-Ann Arbor, 1997.

Birkenhauer, Matt E., Senior Lecturer, English (1997); MA, University of Kentucky, 1986; BA, Thomas More College, 1981.

Bissett, Thaddeus, Assistant Professor, Anthropology (2016); Ph.D., University of Tennessee-Knoxville, 2014; MS, Florida State University, 2003; BA, Wake Forest University, 1999.

Bloch, Janel M., Professor, English (2008); Ph.D., Iowa State University, 2000; MA, Miami University Oxford, 1997; MBA, Indiana University, 1987; BBA, University of Wisconsin-Eau Claire, 1985.

Boltz, Sharlene W., Professor, Law (1991); JD, University of Michigan Law School, 1985; BA, Brown University, 1982.

Bonner, Nicholas S., Senior Lecturer, Visual Arts (1999); MFA, Ohio University, 1981; BFA, Alfred University, 1978.

Boston, Tanyon T., Assistant Professor, Law (2022); J.D., University of Virginia, 2001; LLM, University of Dayton, 2015; BA, Florida Atlantic University, 1997.

Boulay, Sherlay, Clinical Assistant Professor, Nursing (2022); D.N.P., Walden University, 2017; MSN, Walden University, 2015; BSN, Walden University, 2008.

Bourne, William D., Lecturer, Sociology (2012); MA, University of Memphis, 1994.

Bowers, Nancy L., Lecturer, English (2007); MA, Iowa State University, 2004; BA, Buena Vista University, 1986.

Bowers, Thomas J., Associate Professor, English (2005); Ph.D., Iowa State University, 2005; MA, University of South Carolina-Columbia, 1999; BA, Cleveland State University, 1997.

Bowling, Bethany V., Professor, Biological Sciences (2007); Ph.D., University of Cincinnati, 2007; MS, University of Cincinnati, 2004; BA, Thomas More College, 2002.

Boyce, Richard L., Professor, Biological Sciences (2002); Ph.D., Yale University, 1990; MS, Yale University, 1986; MFS, Yale University, 1985; BA, Williams College, 1981.

Boyle, Jillian, Lecturer, Nursing (2015); MSN, Xavier University, 2016; BSN, Northern Kentucky University, 2009.

Braden, Caroline, Lecturer II, Political Science (2010); MPA, Northern Kentucky University, 2009; BA, Psychology, Northern Kentucky University, 2000.

Braun, Frank C., Associate Professor, Business Informatics (2000); Ph.D., Case Western Reserve University, 2007; MBA, Xavier University, 1986; BS, Miami University Oxford, 1981.

Breitenbecher, Kimberly H., Professor, Psychology (2001); Ph.D., Ohio University, 1995; MS, Ohio University, 1992; BA, Miami University Oxford, 1990.

Bresser, Wayne J., Associate Professor, Physics (2000); Ph.D., University of Cincinnati, 1986; MS, University of Cincinnati, 1980; BA, Thomas More College, 1977.

Brockman, Amanda Jean, Assistant Professor, Sociology (2021); Ph.D., Vanderbilt University 2021; MA, Vanderbilt University 2017; BA, Indiana University 2009.

Brudvig, Susan, Associate Professor, Business Informatics (2019); Ph.D., Florida State University, 2007; MBA Purdue University, 2003; MA, Marquette University, 1989; BA, University of Wisconsin, 1987.

Brumback, Ty, Associate Professor, Psychology (2017); Ph.D., University of South Florida, 2015; MA, University of South Florida, 2010; MA, University of Chicago, 2005; BA, Cedarville University, 2003.

Brummer, Nicholas W., Assistant Professor of Practice, Communication (2015); MFA, Full Sail University, 2014.

Brundidge, Nycole, Lecturer, Social Work (2021); MSW, Northern Kentucky University 2016; BSW, Northern Kentucky University 2005.

Brittingham, Joshua L., Lecturer II, Education (2008); M.Ed., Wright State University, 2007; BA, Capital University, 2003.

Brooks, Andrea W., Associate Professor, Library Science (2010); MLS, Kent State University, 2009; MA, Northern Kentucky University.

Browning, Deborah L., Lecturer, Accounting (2013); MST, University of Cincinnati, 2017; MA, University of Indianapolis, 1998; BS, University of Indianapolis, 1986.

Bryant, Debra, Assistant Professor, Nursing (2015); MSN, University of Cincinnati, 2012; BSN, College Of Mount St. Joseph, 2000; Diploma in Nursing, Good Samaritan School of Nursing, 1992.

Buckler, Tracy, Lecturer, Nursing (2017); MSN, Northern Kentucky University, 2006; BSN, Thomas More College, 1992.

Buckley, Brooke E., Associate Professor, Statistics (2006); Ph.D., University of South Carolina-Columbia, 2006; BS, Eastern Kentucky University, 2001.

Bush, Michael, Associate Professor, Criminal Justice (2009); Ph.D., Indiana University of Pennsylvania, 2009; MA, East Tennessee State University, 2004; BS, East Tennessee State University, 2001. AAS Roane State University, 1998.

Callis, April, Lecturer, Honors (2012); Ph.D., Purdue University, 2011; MA, University of Kentucky, 2004.

Campan, Alina, Associate Professor, Computer Science (2007); Ph.D., Babes-Bolyai University, 2006; MS, Babes-Bolyai University, 2000; BS, Babes-Bolyai University, 1999.

Campbell, Nancy F., Associate Professor, Library Science (1981); MLSS, University of Kentucky, 1977; BA, University of Kentucky, 1975.

Cangioni, Carole L., Associate Professor, Entrepreneurship (2011); Ph.D., The University of Texas at El Paso, 2011; MBA, University of Richmond, 1995; BSBA, American Business School in Paris, 1993; DTA, Toulon Institute of Technology, 1991; DUT, Valence Institute of Technology, 1990.

Caporusso, Nicholas., Associate Professor, Computer Science (2019); Ph.D., Institute for Advanced Studies (Lucca, Italy), 2012; MS, University of Bari (Italy), 2007; BS, University of Bari (Italy), 2004.

Carlson, Brian, Assistant Professor, Biological Sciences (2020); Ph.D., University of Cincinnati, 2015; BS, Xavier University, 2010

Carnes, Kathleen A., Lecturer, Business Law (2012); JD, University of Cincinnati, 2001; BA, University of Louisville, 1998.

Carpenter-Fearing, Maren, Associate Professor, Visual Arts (2013); M.Des., University of Cincinnati, 2011; BS, University of Cincinnati, 2003.

Carpten IV, George, Lecturer, Music (2016); Ph.D., University of Cincinnati, 2016; MM, Pennsylvania State University, 2013.

Carrell, Michael R., Regents Professor, Management (1998); DBA, University of Kentucky, 1976; MBA, University of Louisville, 1972; BA, University of Louisville, 1970.

Cata, Teuta, Professor, Business Informatics (2003); Ph.D., University of Nebraska at Lincoln, 2003; MBA, University of Nebraska at Lincoln, 1998; BS, University of Tirana, 1990.

Cellio, Jennifer, Professor, English (2009); Ph.D., Miami University Oxford, 2008; MA, University of Idaho, 2000; BA, Miami University Oxford, 1997.

Cenkci, Ada T., Associate Professor, Organizational Leadership (2016); Ph.D., Other Non US College, 2013; MBA, San Francisco State University, 2007.

Chamberlain, Ronnie J., Assistant Professor, Theatre (2013); MFA, University of Alabama, 2007; BA, Colorado State University, 2004.

Chavez, Anthony, Professor, Law (2009); JD, Yale University, 1986; BS, Loyola Marymount University, 1982.

Chesnut, Mary T., Associate Professor, Library Science (1988); MLS, University of Kentucky, 2002; BA, Centre College, 1985.

Childs, David J., Associate Professor, Teacher Education (2012); Ph.D., Miami University, Ohio, 2009; MA, Miami University, Ohio, 2008; MAT, Miami University, Ohio, 2005; BFA, College of Mount St. Joseph, 2000.

Cho, Samuel Sungmin, Associate Professor, Computer Science (2017); Ph.D., The University of Texas At Austin, 2016.

Cho, Sookyung, Assistant Professor, Communication (2013); Ph.D., University of Michigan, 2012; MA, Seoul National University, 2007.

Christensen, Chris, Professor, Mathematics (1983); Ph.D., Purdue University, 1977; MS, Purdue University, 1972; BS, Michigan Technological University, 1968.

Clark, James, Lecturer, Mathematics (2019); MA, Western Kentucky University, 1996; BS, Northern Kentucky University, 1988.

Clayton-Code, Kimberly P., Professor, Teacher Education (2001); Ph.D., University of Louisville, 2002; MA, Northern Kentucky University, 1995; BS, Purdue University, 1994.

Coaston, Susannah C., Associate Professor, Counseling & Human Services (2011); Ed.D., University of Cincinnati, 2013; MA, University of Cincinnati, 2007; BS, Xavier University, 2003.

Cobbs, Joe B., Associate Professor, Sports Business (2010); Ph.D., University of Massachusetts, 2010; MA, Ohio State University, 2000; BS, Miami University, 1999.

Coloma, Roland Sintos, Professor, Teacher Education (2016); Ph.D., The Ohio State University, 2004; MA, The Ohio State University, 2002; Teaching Credential, California State Polytechnic University, Pomona, 1999; MA, University of California, Riverside, 1998; BA, University of California, Riverside, 1995.

Connelly, Caryn C., Associate Professor, Spanish (2007); Ph.D., University of Minnesota, 2006; MA, Arizona State University, 1992; BA, Albright College, 1989.

Conrad Redden, Aprile D., Senior Lecturer, Political Science (2005); MPA, Northern Kentucky University, 1996; BS, Northern Kentucky University, 1990.

Cooper, Joshua T., Associate Professor, Biological Sciences (2018); Ph.D., University of Oklahoma, 2017; MS, University of Oklahoma, 2010; BS, Northern Kentucky University, 2005.

Corea, Kevin, Lecturer, Spanish (2018); M.Ed., Ohio University, 2014; BA, Ohio University, 2013.

Crane, Lynn, Lecturer, Biological Sciences (2020); MS, Old Dominion University, 1995; BS, Virginia Polytechnic Institute and State University, 1985.

Cullick, Jonathan S., Professor, English (2001); Ph.D., University of Kentucky, 1997; MA, Marquette University, 1990; BA, University of Houston, 1986.

Culligan , Amy Gillingham, Associate Professor, Music (2017); DMA, University of Cincinnati College-Conservatory of Music, 2010; MM, University of Cincinnati College-Conservatory of Music, 2006; BM, North Carolina School of the Arts, 2004.

Cuntz, Lisa, Assistant Professor, Nursing (2017); DNP, Mount St. Joseph University, 2018; MSN, Xavier University, 2013; BSN, College Of Mount St. Joseph, 2010.

Curran, Christine A., Professor, Biological Sciences (2008); Ph.D., University of Cincinnati, 2007; MS, University of Cincinnati, 1992; BS, Ohio University, 1978.

D'Souza, Rodney, Associate Professor, Entrepreneurship (2008); Ph.D., University of Louisville, 2009; MBA, Northern Kentucky University, 2003; MS, University of Pune, 2001; BA, University of Pune, 1999.

Dabdoub, Majed, Assistant Professor of Practice, Construction Management (2015); MS, University of Cincinnati, 1989; BS, Ohio University, 1981.

Dahlem, Gregory A., Senior Lecturer, Biological Sciences (1990); Ph.D., Michigan State University, 1989; MS, The Ohio State University, 1984; BS, The Ohio State University.

Dang, Anh M., Assistant Professor, Marketing (2018); Ph.D., Old Dominion University, 2018; MBA, University of Houston Clear Lake, 2013; BBA, Ho Chi Minh National University of Vietnam, 2010.

Danieley, Corrie, Assistant Professor, Theatre (2013); MFA, Illinois State University, 2004; BS, Hannibal-Lagrange College, 1998.

Daniels, Charlisa R., Associate Professor, Chemistry & Biochemistry (2014); Ph.D., Rice University, 2012; BA, Agnes Scott College, 2005.

Day, Michele W., Lecturer II, Journalism (2004); MA, Northern Kentucky University, 2008; BA, Western Kentucky University, 1982.

De Lee, Nathan, Professor, Astronomy (2014); Ph.D., Michigan State University, 2008; MS, Michigan State University, 2005; BS, University of Kansas, 2002.

Detmer-Goebel, Emily A., Professor, English (2003); Ph.D., Miami University Oxford, 1997; MA, Miami University Oxford, 1992; MA, Miami University Oxford, 1985; BA, Wright State University, 1983.

DiCicco, Michael P., Assistant Professor, Teacher Education (2014); Ph.D., University of South Florida, 2014; MAT, University of South Florida, 2009; BA, University of South Florida, 2004.

Din Allameh, Seyed M. D., Professor, Engineering Technology (2004); Ph.D., Ohio State University, 1993; MS, Wayne State University, 1988; BS, Sharif Institute of Technology, 1978.

Dixit, Nilesh, Lecturer (2018); Ph.D., University of Alaska, 2013; M.Sc., Plymouth University, England, 2010; B.Tech., Pune University, 2007.

Downing, Megan S., Associate Professor, Organizational Leadership (2010); Ed.D., Northern Kentucky University, 2012; MSIS, Northern Kentucky University, 2006; BS, Northern Kentucky University, 2002.

Doyle, Maureen, Professor, Computer Science (2006); Ph.D., Stanford University, 2004; MS, Stanford University, 2001; MS,

Northeastern University, 1990; BS, University of Massachusetts at Lowell, 1982.

Doyle, Ursula, Associate Professor, Law (2011); JD, Indiana University, 1997; MA, Columbia University-New York, 1990; AB, Cornell University, 1989.

Drabik, Sara L., Professor, Electronic Media and Broadcasting (2008); M.A., Northern Kentucky University, 2008; BFA, Ithaca College, 1999.

Dreese, Donelle N., Professor, English (2004); Ph.D., Indiana University of Pennsylvania, 1999; MA, Indiana University of Pennsylvania, 1995; BA, Susquehanna University, 1992.

Durtsche, Richard D., Professor, Biological Sciences (2000); Ph.D., University of Oklahoma, 1999; MA, California State University System, 1988; BA, University of Minnesota, 1983; BS, University of Minnesota, 1983.

Dynan, Linda, Professor, Economics (2003); Ph.D., Columbia University-New York, 1994; M.Phil., Columbia University-New York, 1991; MA, Columbia University-New York, 1991; BA, University of Pennsylvania, 1986.

Eastep, Shannon M., Senior Lecturer, Teacher Education (2004); M.Ed., University of Cincinnati, 2003; BBA, Ohio University, 1997.

Ebert, Paulette E., Lecturer II, Mathematics (2011); MAED, Northern Kentucky University, 1996; BS, Northern Kentucky University, 1992.

Edwards, Grant A., Senior Lecturer, Chemistry & Biochemistry (2006); Ph.D., Iowa State University, 2006; BS, Truman State University, 2000.

Eippert, Gary, Senior Lecturer, Kinesiology (1997); Ph.D., University of Toledo, 1994; M.Ed., University of Toledo, 1989; BS, Miami University Oxford, 1986.

Ekundayo T, Olugbemiga, Associate Professor, Allied Health (2017); DrPH, Doctor of Public Health, Morgan State University, 2006; MBBS (College of Medicine in Nigeria), University Of Ibadan, 2006; MPH, Morgan State University, 2002; MD, Other US Colleges, 1995.

Elkins, Rebecca, Associate Professor, Kinesiology (2016); Ph.D., University of Cincinnati, 2015; BA, Northern Kentucky University, 2007; MA, Ohio State University, 2004; BS, Shawnee State University.

Elliott, Teressa L., Professor, Business Law (2003); JD, University of Kentucky, 1990; BA, Northern Kentucky University, 1987.

Encarnación, Irene, Senior Lecturer, Spanish (1992); MA, University of California-Berkeley, 1986; BA, University of Puerto Rico, 1983.

Evans, David, Lecturer, Mathematics and Statistics (2019); MS, University of Cincinnati 2019; BA, University of Cincinnati 2007.

Farrar, John, Associate Professor, Chemistry & Biochemistry (2013); Ph.D., Vanderbilt University, 2001; MS, Vanderbilt University, 1998; BS, Western Kentucky University, 1992.

Fatemi, Darius J., Professor, Accounting (2010); Ph.D., Indiana University, 2007; MBA, Indiana University, 2005; Ph.D., University of Virginia, 1995; BA, University of Virginia, 1990.

Faulkner, Shawn A., Professor, Teacher Education (2004); Ph.D., University of Toledo, 2003; Ed.S., Wright State University, 1998; M.Ed., Wright State University, 1991; BS, Tennessee Temple University, 1988.

Feldmann, Douglas A., Professor, Teacher Education (2005); Ph.D., Indiana University, 1999; MA, Rockford College, 1995; BA, Northern Illinois University, 1992.

Fenton, Edmund D., Professor, Accounting (2016); DBA, University of Kentucky, 1986; MBA, Murray State University, 1977; BS, Murray State University, 1976.

Ferguson, Jessica D. M., Lecturer II, Business Administration (2010); MBA, Northern Kentucky University, 2009; BBA, University of Kentucky, 2007.

Fernando, Sharmanthie M., Professor, Physics (1998); Ph.D., University of Cincinnati, 1999; MS, University of Cincinnati, 1997; MS, University of Cincinnati, 1993; BS, University of Moratuwa, 1991.

Ferrante, Joan, Professor, Sociology (1984); Ph.D., University of Cincinnati, 1984; MA, University of Cincinnati, 1978; BS, Northern Kentucky University, 1977.

Fields, Gwen M., Senior Lecturer, Chemistry & Biochemistry (2000); MS, University of Cincinnati, 1993; BS, Thomas More College, 1991.

Fieler, Andrea, Lecturer, German (2020). Ph.D. University of Cincinnati, 2009; MA University of Cincinnati 2004; BA Rheinisch-Westfälische Technische Hochschule.

Fieler, Gina, Assistant Professor, Nursing (2013); MSN, Xavier University, 2011; BSN, College of Mount St. Joseph, 1994.

Fisk, Patricia A., Lecturer II, Education (2004); MAED, Northern Kentucky University, 1981; BA, University of Kentucky, 1972.

Foley, Sean P., Associate Professor, Construction Management (2000); Ph.D., Miami University Oxford, 2006; MS, Northern Kentucky University, 2000; BS, Northern Kentucky University, 1993.

Fortsch, Sima, Assistant Professor, Management (2022); Ph.D., SUNY at Buffalo, 2014; MBA, University of Rochester, 2002; BS, Northeastern University, 1996.

Foster, Cindy L., Associate Professor, Nursing (2006); MS, University of Minnesota, 1995; BSN, Wright State University, 1980.

Fox, Jeffrey W., Lecturer, Communication Studies (2016); MA, Northern Kentucky University, 2008; BA, Northern Kentucky University, 2006.

Fox, Richard K., Professor, Computer Science (2001); Ph.D., Ohio State University, 1992; MS, Ohio State University, 1988; BS, University of Missouri-Rolla, 1986.

Freeman, Traci C., Assistant Professor, Nursing (2009); MSN, Northern Kentucky University, 2011; BSN, Salem State College, 1990.

Frimpong-Mansoh, Augustine Y., Professor, Philosophy (2013); Ph.D., University of Alberta, 2001; MA, University of Windsor, 1995; BA, University of Ghana, 1992.

Fuegen, Kathleen A., Professor, Psychology (2006); Ph.D., University of Kansas, 2002; MA, University of Kansas, 1998; BA, University of Northern Iowa, 1994.

Gall, Roxanne, Lecturer, Nursing (2015); MSN, University of Kentucky, 1991; BSN, University of Kentucky, 1983.

Gallegos, Monica, Assistant Professor, Communication Studies (2013); Ph.D., University of Arizona, 2013; MA, University of New Mexico, 2009.

Gardner, Jennifer L., Lecturer II, Sports Business (2012); MA, Miami University, 1994; BA, University of Dayton, 1993.

Garns, Rudy L., Associate Professor, Philosophy (1989); Ph.D., Syracuse University, 1989; MA, Northern Illinois University, 1983; BA, Western Maryland College (McDaniel College), 1979.

Garrison, Trent, Assistant Professor, Geology (2017); Ph.D., University of Kentucky, 2015; MS, Eastern Kentucky University, 2005; BS, Eastern Kentucky University, 2002.

Gazzaniga, Andrea, Professor, English (2010); Ph.D., Cornell University, 2004; MA, Cornell University, 2001; BA, Wellesley College, 1995.

Gelbwasser, Kimberly, Assistant Professor, Music (2014); DMA, University of Cincinnati, 2011; MM, University of Cincinnati, 2006; BM, Northwestern University, 2002.

Gemene, Kebede L., Associate Professor, Chemistry & Biochemistry (2011); Ph.D., Purdue University, 2008; MS, Addis Ababa University, 1997.

Ghosh Roy, Subhomita,Lecturer, Biological Sciences (2021); PhD, University of Wisconsin Milwaukee, 2020; MS, University of Wisconsin Milwaukee, 2012

Giesbers, Heleen, Lecturer, Biological Sciences (2020); Ph.D., University of Cincinnati, 1999; MS, University of Cincinnati, 1994; BS, Internationale Agrarische Hogeschool, 1992

Gibson, John P., Lecturer II, Communication (2008); MA, Murray State University, 2006; BA, Murray State University, 2003.

Gilbert, Jaesook L., Professor, Teacher Education (2007); Ph.D., University of Illinois-Urbana, 1996; MAT, Washington University, Missouri, 1990.

Gilson, Richard L., Associate Professor, Management (2001); Ph.D., University of Nebraska at Lincoln, 2002; MS, Utah State University, 1995; BS, Weber State University, 1987.

Glance, Dorea E., Associate Professor, Counseling and Human Services (2015); Ph.D., Ohio University, 2012; MA, Marshall University, 2007; BA, Wright State University, 2004.

Glore, Mary Lee, Lecturer, Statistics (2013); MS, University of Cincinnati, 2007; Ph.D., University of Cincinnati, 2014; BA, Thomas More College, 1989.

Goddard, Perilou, Professor, Psychology (1989); Ph.D., Indiana University, 1987; BS, Texas A&M University, 1981.

Gonulates, Funda, Associate Professor, Teacher Education (2016); Ph.D., Michigan State University, 2016; MS, Bogazici University, Turkey, 2004; BS, Bogazici University, Turkey, 2001.

Gores, Steven, Professor, English (1991); Ph.D., University of Wisconsin-Madison, 1991; MA, University of Wisconsin-Madison, 1986; BS, University of Wisconsin-Madison, 1985.

Graf, Allison S., Associate Professor, Psychological Science (2016); Ph.D., West Virginia University, 2015; MS, West Virginia University, 2013; MA, Cleveland State University, 2007; BA, Hiram College, 2004.

Green, Barclay E., Associate Professor, English (2002); Ph.D., University of Massachusetts, 2000; MA, University of Massachusetts, 1995; BA, Washington College, 1990.

Griebling, Susan, Assistant Professor, Teacher Education (2012); Ph.D., University of Cincinnati, 2009; M.Ed., University of Cincinnati, 2003; BS, University of Arizona, 1978.

Grinnell, Sandra M., Associate Professor, Nursing (2006); MSN, University of Pennsylvania, 1992; BS, Jamestown College, 1974.

Groom, Summyji, Assistant Professor, Nursing (2022); DNP, Chadham University 2020; MSN, Walden University 2019; BSN, Jackson State University 2013; ASN, Wallace Community College 2011

Guy, Michael, Associate Professor, Chemistry & Biochemistry (2015); Ph.D., University of Wisconsin-Madison, 2008; BS, Utah State University, 2002.

Hackett, Brian L., Associate Professor, History (2010); Ph.D., Middle Tennessee State University, 2009; MA, Eastern Illinois University, 1986; BS, Wisconsin - Stevens Point, 1984.

Halbrook, Amy E., Associate Professor, Law (2011); JD, Northwestern University, 2005; BA, University of California-Berkeley, 1998.

Hamill, Lois, Associate Professor, Library Science (2007); MS, Simmons College, 2005; MA, University of Massachusetts, 1997; BS, University of Maine, 1984; BA, SUNY College-Oswego, 1979.

Hammons, Jane Erma, Lecturer, Library Science (2014); MLS, University of Illinois-Urbana, 2008; MA, University of Cincinnati, 2002; BS, Xavier University, 1998.

Hapuhinna, Nelum, Assistant Professor, Statistics (2022); Ph.D., Bowling Green State University, 2021; MA, Bowling Green State University, 2017; BS, University of Peradeniya Sri Lanka, 2015.

Hao, Wei, Associate Professor, Computer Science (2008); Ph.D., The University of Texas at Dallas, 2007; MS, The University of Texas at Dallas, 2001.

Hare, Patrick M., Professor, Chemistry & Biochemistry (2008); Ph.D., Ohio State University, 2007; BA, Case Western Reserve University, 2001.

Harris, Daryl L., Professor, Theatre (2003); Ph.D., University of Alabama, 2006; MFA, University of Southern Mississippi, 1991; BA, University of Southern Mississippi, 1988.

Harrison, Jack B., Associate Professor, Law (2011); JD, University of Cincinnati, 1993; MA, St Marys University, 1985; BA, University of Tennessee-Chattanooga, 1978.

Hart, Julie A., Assistant Professor, Nursing (2006); MSN, Northern Kentucky University, 2009; BSN, Thomas More College, 1997; DNP, University of Southern Indiana, 2016.

Hart, Zachary P., Professor, Communication (2003); Ph.D., Michigan State University, 2000; MS, University of Illinois-Urbana, 1989; BA, Western Illinois University, 1988.

Hatchett, Gregory T., Professor, Counseling & Human Services (2003); Ph.D., University of Mississippi, 2001; MS, Freed-Hardeman University, 1996; BS, Lipscomb University, 1994.

Hatton, Michael W., Associate Professor, Theatre (2005); MFA, Virginia Commonwealth University, 2005; BFA, Northern Kentucky University, 2003.

Heard, Thomas, Associate Professor, Law Library Services (1986); JD, Salmon P Chase College of Law, 1990; MLS, Indiana University, 1984; BA, Taylor University, 1983.

Henry, Deborah I., Lecturer II, Social Work (2005); MSW, University of Kentucky, 2005; BS, Northern Kentucky University, 2002.

Herman, Jacqueline, Professor, Statistics (2008); Ph.D., University of Nebraska At Lincoln, 2007; MS, University of Nebraska At Lincoln, 2004; BA, Concordia University, 2002; BS, Concordia University, 2002.

Hillard, Jan W., Professor, Political Science (2005); Ph.D., University of Cincinnati, 1984.

Hillman, Lynnisa, Lecturer, Sociology (2016), MA, University of Cincinnati, 2014; BA, University of Cincinnati, 2014; BA, University of Cincinnati, 2012.

Hindman, Jessica C., Assistant Professor, English (2014); Ph.D., University of North Texas, 2013; MFA, Columbia University-New York, 2009; BA, Columbia University-New York, 2003.

Hodgson, Theodore R., Professor, Mathematics (2007); Ph.D., Indiana University, 1992; MS, University of California-San Diego, 1985; BS, Indiana University, 1983.

Hogg, William B., Associate Professor, Music (2004); MM, University of Cincinnati, 2003; BS, Austin Peay State University, 1996.

Hokkanen, Ellen L., Lecturer, CINSAM/Chemistry (2015); MS, Yale University, 2008; BS, University of Virginia, 2007.

Holden, Lisa J., Associate Professor, Mathematics (2007); Ph.D., Northwestern University, 1990; MS, Northwestern University, 1987; AB, Boston College, 1986..

Honabach, Dennis R., Professor, Law (2006); JD, Yale University, 1973; AB, Bucknell University, 1970.

Hopfensperger, Kristine N., Professor, Biological Sciences (2009); Ph.D., University of Maryland, 2007; MS, Washington State University, 2003; BS, University of Wisconsin - Stevens Point, 1999.

Hruby, Zachary, Lecturer, Archaeology (2013); Ph.D., University of California-Riverside, 2006; MA, Brigham Young University, 1998; BA, Humboldt State University, 1995.

Hu, Yi, Professor, Computer Science (2007); Ph.D., University of Arkansas, 2006; MS, University of Arkansas, 2002; BS, Southwest Jiaotong University, 1994.

Huber, Teresa H., Associate Professor, Nursing (2012); DNP, University of Kentucky, 2014; MSN, Northern Kentucky University, 2002; BSN, Bellarmine University, 1998.

Hughes, James E., Lecturer II, Business Informatics (2002); MS, Northern Kentucky University, 2003; MBA, Northern Kentucky University, 2002; BS, Indiana State University, 1972.

Hughes, Stephanie F., Professor, Management (2002); Ph.D., Temple University, 1999; MBA, Saint Joseph's University, 1992; BS, Saint Joseph's University, 1988.

Human, James, Lecturer, Accounting (2017); MACC, Northern Kentucky University, 2016; MA, Asbury Theological Seminary, 2000; BA, University of Kentucky, 1986

Hume, Douglas W., Professor, Anthropology (2007); Ph.D., University of Connecticut, 2005; MA, California State University Fullerton, 1999; BA, California State University Fullerton, 1994.

Hunn, Vanessa, Professor, Social Work (2010); Ph.D., University of Kentucky, 2006; MSW, University of Kentucky, 1990.

Hunter, Jennifer, Assistant Professor, Nursing (2022); M.S.N., Northern Kentucky University, 2010; BSN, Northern Kentucky University, 1996.

Huss, John A., Professor, Teacher Education (1999); Ed.D., University of Cincinnati, 2000; MA, Northern Kentucky University, 1997; BA, Northern Kentucky University, 1995; BS, Northern Kentucky University, 1993.

Jackson, Eric R., Professor, History (1992); Ed.D., University of Cincinnati, 2000; MA, University of Cincinnati, 1992; BS, Ball State University, 1988.

Jankowski, Stacie M., Associate Professor, Journalism (2016); Ph.D., Indiana University, 2015; MA, Indiana University, 2009; BA, University of Kentucky, 2004

Jesuca, Flore, Clinical Assistant Professor, Nursing (2022); D.N.P., Florida Atlantic University, 2016; MSN, Florida Atlantic University, 2007; BSN, Florida Atlantic University, 2004.

Johnson, Sarah E., Lecturer II, Geology (2002); MS, Purdue University, 1997; BS, CUNY, 1993.

Johnson, Stephen E., Lecturer, Communication (2013); MA, Northern Kentucky University, 2007; BA, Northern Kentucky University, 2006.

Jones, Kenneth W., Professor, Theatre (1987); MFA, University of Virginia, 1987; BFA, University of Florida, 1984.

Jones, Melissa M., Professor, Teacher Education (2001); Ph.D., Miami University, Ohio, 2001; M.Ed., University of Cincinnati, 1991; BS, University of Cincinnati, 1988.

Jones, Sharyn, Professor, Anthropology (2013); Ph.D., University of Florida, 2004; MA, University of Florida, 2000; BA, University of California-Berkeley, 1997.

Kallmeyer, Carolyn, Assistant Professor, Nursing (2019); MSN, Northern Kentucky University 2003; BSN, University of Kentucky 1987.

Kapadia, Parmita, Professor, English (2002); Ph.D., University of Massachusetts, 1997; MA, University of Massachusetts, 1993; BA, Rutgers State University, 1989.

Kappesser, Patricia, Lecturer, Biological Sciences (2016); MA, Northern Kentucky University, 1994; BS Biological Science, 1987.

Kasten, Sarah E., Associate Professor, Teacher Education (2009); Ph.D., Michigan State University, 2009; MA, The Ohio State University, 2004; BS, Miami University, Ohio, 2001; BS, Miami University, Ohio, 2001.

Kasturiratna, Dhanuja, Associate Professor, Statistics (2006); Ph.D., Bowling Green State University, 2006; MA, Bowling Green State University, 2002; BS, University of Colorado at Denver, 1998.

Katkin, Kenneth D., Professor, Law (2000); JD, Northwestern University, 1996; BA, Princeton University, 1987.

Kazee, Donald K., Associate Professor, Law (1989); MA, University of Kentucky, 1988; JD, Georgetown University, 1981; BA, Morehead State University, 1976.

Keller, Ann, Associate Professor, Nursing (2000); MSN, University of Cincinnati, 1991; Ed.D., University of Cincinnati, 1990; M.Ed., Xavier University, 1977; BSN, College of Mount St. Joseph, 1975.

Kelley, Erin, Assistant Professor, Nursing (2022); D.N.P., Northern Kentucky University, 2021; MSN, University of Phoenix, 2014; BSN, Northern Kentucky University, 2011.

Kelly, Marjorie Danielle, Lecturer, Library Science (2021); MS, Kent State University 2018; BS, Pikeville College 2011.

Kendon, Brett J., Assistant Professor, Nursing (2017); DNP, University of Cincinnati, 2016; MSN, Florida International University, 2008; BSN, Other Non US College, 1988.

Kent-Drury, Roxanne M., Associate Professor, English (1998); MFA, Eastern Kentucky University, 2018; Ph.D., University of Oregon, 1998; MA, California State University System, 1993; BS, Pepperdine University-Malibu, 1985.

Kerby Jr., Robert L., Senior Lecturer, Theatre (2002); MFA, University of Illinois, 2002; BFA, Northern Kentucky University, 1987.

Kersting, Lee M., Associate Professor, Accounting (2013); Ph.D., University of South Florida, 2012; MBA, University of Louisville, 2007; BS, University of Louisville, 2005.

Ketty, Sunil N., Associate Professor, Communication (2017); MFA, Columbus College of Art And Design, 2016; M.Ed., Carlow University, 2010.

Khan, Rasib, Associate Professor, Computer Science (2016); Ph.D., University of Alabama-Birmingham, 2016.

Kilmer, Amanda, Lecturer, Organizational Leadership (2016); MS, Murray State University, 2015; BA, Northern Kentucky University, 2006.

Kim, Jang-Chul, Professor, Finance (2008); Ph.D., University of Memphis, 2003; MS, Iowa State University, 1993; BBA, Iowa State University, 1991.

Kim, Suk-hee, Associate Professor, Social Work (2014); Ph.D., University of Louisville, 2005; MSW, Boston University, 2001.

Kim, Young S., Professor, Finance (2004); Ph.D., Southern Illinois University, 2003; MS, Georgia State University, 1997; BA, Chung-Ang University, 1991.

Kinsley, Jennifer, Professor, Law (2012); JD, Duke University, 1999; BA, University of Florida, 1996.

Kirby, Kevin G., Professor, Computer Science (1994); Ph.D., Wayne State University, 1988; MS, Wayne State University, 1986; BA, Wayne State University, 1984.

Kishman, Mary, Associate Professor, Nursing (2014); Ph.D., University of Cincinnati, 2004; MSN, University of Cincinnati, 1991; BSN, Xavier University, 1987.

Klatzke, Stephanie R., Associate Professor, Communication Studies (2007); Ph.D., University of Missouri-Columbia, 2008; MA, University of Cincinnati, 2003; BA, Murray State University, 2001.

Knechtges, Eric T., Associate Professor, Music (2008); DMUS, Indiana University, 2008; MM, Bowling Green State University, 2005; BM, Michigan State University, 2001.

Knox-Kazimierczuk, Francoise Assistant Professor, Allied Health (2015); Ph.D Miami University, 2015, MS, Ball State University, 2005, MS, Illinois State University, 2000, BA, Concordia University, 1997.

Koscielicki, Trina, Associate Professor, Radiological Technology (1993); M.Ed., University of Cincinnati, 1997; BS, University of Charleston, 1989.

Krapl, Alain, Professor, Finance (2012); Ph.D., University of Connecticut, 2012; MS, University of North Carolina at Charlotte, 2001; BA, University of North Carolina at Charlotte, 1999.

Kratzer, Jessica, Associate Professor, Communication Studies (2016); Ph.D., University of Missouri-Columbia, 2011; MA, University of Cincinnati, 2004.

Kreder, Jennifer A., Professor, Law (2004); JD, Georgetown University, 1998; BA, University of Florida, 1994.

Krouse, Tonya M., Professor, English (2003); Ph.D., Brandeis University, 2004; MA, University of Illinois-Chicago, 1997; BA, Kent State University, 1996.

Krull, Douglas S., Professor, Psychology (1996); Ph.D., The University of Texas at Austin, 1990; BA, University of California-Davis, 1985.

Kulkarni, Madhura, Associate Professor, CINSAM/Biological Sciences (2012); Ph.D., Cornell University, 2010; MS, University of Maryland, 2003; BS, Duke University, 1999.

Kuwahara, Yasue, Professor, Electronic Media and Broadcasting (1989); Ph.D., Bowling Green State University, 1987; MA, California State University, 1983; BA, Waseda University, 1980.

Kwon, Edward, Professor, Political Science (2007); Ph.D., University of Hawaii-Manoa, 2005; MA, Konkuk University, 1992; BA, Konkuk University, 1987.

Lagadic, Isabelle, Associate Professor, Chemistry & Biochemistry (2007); Ph.D., University of Paris-Sud, 1994; MS, University of Paris-Sud, 1991; BS, University of Paris-Sud, 1990.

Lambert South, Andrea N., Professor, Communication (2006); Ph.D., University of Denver, 2006; MA, Texas Tech University, 2002; BS, University of Kansas, 2000.

Lancaster, Mark, Assistant Professor, Statistics (2014); Ph.D., University of Kentucky, 2007; MS, University of Tennessee-Knoxville, 1999; BA, Hendrix College, 1991.

Landon, William J., Professor, History (2005); Ph.D., University of Edinburgh, 2003; MS, University of Edinburgh, 1999; BA, Northern Kentucky University, 1998.

Landwehr, Hilary W., Associate Professor, Spanish (1988); Ph.D., University of North Carolina, 1986; MA, University of North Carolina, 1978; BA, Louisiana State University, 1975.

Lang, Nancy A., Associate Professor, Economics (1983); Ed.D., University of Georgia, 1983; MBE, Georgia State University, 1975; BS, Georgia State University, 1972.

Larson, Kajsa C., Professor, Spanish (2010); Ph.D., University of Minnesota, 2010; MA, University of Minnesota, 2005; BA, Gustavus Adolphus College, 2001.

Lawrence, Christopher, Associate Professor, Counseling & Human Services (2012); Ph.D., College of William and Mary, 2012; MS, Stetson University, 2008.

Lee, Jae-Seung, Assistant Professor, Criminal Justice (2016); Ph.D., Sam Houston State University, 2016; MS, University of Houston-Downtown, 2009.

Lee, JeeEun, Associate Professor, Art (2017); MFA, Syracuse University, 2013; MFA, Ewha Womans University, 2002; BFA, Ewha Womans University, 1998.

Leeman, Mark, Associate Professor, Communication (2009); Ph.D., Ohio University, 2007; MA, Ohio University, 1994; BS, Ohio State University, 1985.

Lemmon, Marla, Lecturer, Mathematics (2019); MS, University of Cincinnati, 2010; BS, Northern Kentucky University, 2008.

Leone, Marc, Associate Professor, Visual Arts (2008); MFA, Arizona State University, 2003; BFA, Art Center College of Design, 1996.

LeRoy, Francois J., Associate Professor, History (1996); Ph.D., University of Kentucky, 1997; MA, University of Kentucky, 1989; Maitrise, Universite de Haute-Bretagne, 1987; D.E.U.G., Universite de Haute-Bretagne, 1985.

Levin, Aron M., Professor, Marketing (2000); Ph.D., University of Kentucky, 1997; MBA, Northern Illinois University, 1991; BS, University of Iowa, 1989.

Li, Peiwei, Assistant Professor, Business Informatics (2022); Ph.D., University of Cincinnati, 2022; MBA, University of Louisville, 2015; MS, Worchester Polytechnic Institute, 2013; BS, South China University of Technology, 2011.

Li, Qi, Assistant Professor, Computer Science (2014); Ph.D., University of Pittsburgh, 2011; MSCS, Other Non US College, 2006; BS, Other Non US College, 1996.

Li, Yushi B., Professor, Sociology (1994); Ph.D., Iowa State University, 1993; MS, Iowa State University, 1988; BS, Beijing Union University, 1983.

Lilly, James R., Professor, Sociology (1974); Ph.D., University of Tennessee-Knoxville, 1975; MA, West Virginia University, 1969; BS, Concord University, 1966.

Lipping, Alar, Professor, Physical Education (1988); Ph.D., Ohio State University, 1980; MS, Cuny Queens College, 1976; BA, Cuny Queens College, 1975.

Long, Andrew E., Associate Professor, Mathematics (2000); Ph.D., University of Arizona, 1994; MS, University of Arizona, 1991; BS, Bowling Green State University, 1983.

Loriot-Raymer, Gisèle, Associate Professor, French (1990); Ph.D., University of Cincinnati, 1989; MA, Appalachian State University, 1982.

Luethge, Denise J., Professor, Management (2009); Ph.D., Indiana University, 1987; MBA, Michigan State University, 1981; BS, Michigan State University, 1973.

Ma, Lili, Professor, Chemistry & Biochemistry (2009); Ph.D., Brown University, 2007; MS, Nanjing Agricultural University, 2002.

Macke, Caroline A., Professor, Social Work (2008); Ph.D., University of Kentucky, 2010; MSW, University of Kentucky, 2003.

Mader-Meersman, Julie A., Professor, Visual Arts (2003); MFA, University of Washington-Seattle Campus, 1996; BFA, Northern Kentucky University, 1993.

Maheshwari, Zeel, Associate Professor, Engineering Technology (2018), Ph.D., Oklahoma State University, 2017; MS, Oklahoma State University, 2013; BE, Visvesvaraya Technological University, 2011.

Mahle Drabik, Sara M., Associate Professor, Electronic Media and Broadcasting (2008); MA, Northern Kentucky University, 2008; BFA, Ithaca College, 1999.

Mann, Sarah, Lecturer, Business Informatics (2016); Ed.S., University of Kentucky; M.Ed., University of Louisville, 2006, BS, Northern Kentucky University, 2005.

Mannheimer, Michael J.Z., Professor, Law (2004); JD, Columbia University, 1994; BA, Binghampton University 1991..

Marczinski, Cecile A., Regents Professor, Psychology (2006); Ph.D., McMaster University, 2001; BS, University of Western Ontario, 1996.

Marshall, Brianna, Associate Professor, Library Science (2021); MS, Indiana University 2014; BA, University of Wisconsin - LaCrosse 2012.

Martin, Caron G., Associate Professor, Nursing (1997); MSN, University of Kentucky, 1982; BSN, University of Kentucky, 1978.

Mazumder, Sharif, Assistant Professor, Finance (2021); Ph.D., Oklahoma State University 2021; MS, University of Wyoming 2016; MBA, University of Dhaka 2010; BBA, University of Dhaka 2008.

McCartney, Jacob, Assistant Professor, Management (2022); Ph.D., Michigan State University, 2022; MA, University of Illinois, 2014; BA, University of Illinois, 2012.

McCartney, Philip W., Associate Professor, Mathematics (1978); Ph.D., Claremont Graduate University, 1978; M.Ed., University of Minnesota, 1972; BS, University of Minnesota, 1971.

McClure, Bruce L., Lecturer, Political Science (1996); MA, Xavier University, 1992; JD, Salmon P Chase College of Law, 1980.

McCombs, Brad, Associate Professor, Visual Arts (2007); MFA, Carnegie Mellon University, 2002; BFA, Washington University In St Louis, 1997.

McCord, Timothy, Lecturer, Computer Science (2016); MS, Northern Kentucky University, 2004.

McDonald, Danielle, Professor, Criminal Justice (2008); Ph.D., Indiana University of Pennsylvania, 2006; MS, Virginia Tech, 2001; BA West Virginia University, 1998..

McGee, Daniel, Professor, Mathematics (2013); Ph.D., University of Arizona, 1995; MS, University of Arizona, 1991; BS, Applied Mathematics, Georgia Institute of Technology, 1986.

McGill, Diana L., Professor, Chemistry (1993); Ph.D., Harvard University, 1991; BA, Northern Kentucky University, 1984; BS, Northern Kentucky University, 1984.

McKenzie, Jonathan, Associate Professor, Political Science (2009); Ph.D., Purdue University, 2009; MA, University of Wyoming, 2003; BS, University of Wyoming, 2001.

McKenzie, Roshundia, Clinical Assistant Professor, Nursing (2022); Ph.D., William Carey University, 2015; MSN, University of Southern Mississippi, 2009; BSN, University of Southern Mississippi, 2005.

McLendon, Tara M., Professor, Social Work (2010); Ph.D., University of Kansas, 2010; MSW, University of Kansas, 1993; BSW, University of Kansas, 1992.

McNally Emerine, Jacqueline S., Associate Professor, Public Relations (2006); Ph.D., Kent State University, 2005; MA, IUPUI-Indiana U-Purdue U-Indianapolis, 1999; BA, IUPUI-Indiana U-Purdue U-Indianapolis, 1997.

McNeal, Lewatis, Associate Professor (2017); Ph.D., University of Louisville, 2016; MPH, Western Kentucky University, 2005; BS, University of Arkansas-Pine Bluff, 2003.

Medlicott, Carol A., Associate Professor, Geography (2005); Ph.D., University of California-Los Angeles, 2003; MA, University of California-Los Angeles, 1997; BS, Valparaiso University, 1984.

Menard, Laura, Lecturer, Library Science (2023); M.S., University of North Carolina, 2011; BA, Dennison University, 2010.

Mester, Joseph C., Professor, Biological Sciences (2006); Ph.D., University of Tennessee-Knoxville, 1989; BA, University of Rochester, 1983.

Meyers, Debra, Professor, History (2001); Ph.D., University of Rochester, 1997; MA, University of Mount St. Joseph, 2013; BA, Nazareth College of Rochester, 1992.

Mihindukulasooriya, Lorita Nivanthi, Assistant Professor, Geology (2020); Ph.D., Kent State University, 2014; MS, Ohio University, 2009; BS, University of Peradeniya, 2006.

Miller, Alexis J., Associate Professor, Criminal Justice (2008); Ph.D., University of Louisville, 1999; MS, University of Louisville, 1996; BS, University of Louisville, 1993.

Miller, Burke, Associate Professor, History (2005); Ph.D., Miami University Oxford, 2002; MA, Miami University Oxford, 1993; BA, University of North Carolina - Chapel Hill, 1986.

Miller, Carl E., Associate Professor, Statistics (2002); Ph.D., University of South Carolina-Columbia, 2002; MS, University of South Carolina-Columbia, 2000; BS, University of South Carolina-Spartanburg, 1993; BS, University of South Carolina-Spartanburg, 1993.

Miller, Karen, Associate Professor, Criminal Justice (2017); Ph.D., University of Kentucky, 2004; MS, Eastern Kentucky University, 1995; BS, Eastern Kentucky University, 1994.

Misis, Marcos L., Associate Professor, Political Science (2012); Ph.D., University of Southern Mississippi, 2012; MS, University of Houston, 2008.

Mittal, Banwari, Professor, Marketing (1987); Ph.D., University of Pittsburgh, 1982; MBA, Indian Institute of Management, 1971; BE, Biria Institute of Technology & Science, 1969.

Moberg, Philip J., Associate Professor, Psychology (2004); Ph.D., University of Illinois-Urbana, 1996; AM, University of Illinois-Urbana, 1993.

Moffett, Kelly, Professor, English (2010); MFA, West Virginia University, 2004; MA, West Virginia University, 2001.

Moon, Melissa M., Professor, Criminal Justice (2000); Ph.D., University of Cincinnati, 1996; MS, University of Cincinnati, 1992; BS, University of Cincinnati, 1991.

Muente, Kevin J., Professor, Visual Arts (2001); MFA, University of Cincinnati, 1999; BFA, University of Wisconsin-Milwaukee, 1994.

Nacev, Ljubomir, Professor, Law (1987); LLM, New York University, 1978; JD, The John Marshall Law School, 1976; BA, Johns Hopkins University, 1973.

Nakamura, Makoto, Lecturer, Japanese (2010); MA, Concordia University, 1999; MA, Kansai Gaidai University, 1997; BA, Meisei University, 1989.

Neal, Brandi, Lecturer, Business Informatics (2015); MBI, Northern Kentucky University, 2014.

Neal, Catherine S., Associate Professor, Business Law (2005); JD, University of Cincinnati, 1998; BS, Northern Kentucky University, 1992.

Nelson, Kesha M., Assistant Professor, Nursing (2011); Ph.D., University of Phoenix, 2017; MSN, University of Phoenix, 2008; BSN, University of Phoenix, 2006.

Newell, Gary L., Associate Professor, Computer Science (2001); Ph.D., University of Arizona, 1994; MS, University of Arizona, 1990; BS, Worcester State College, 1986.

Newman, Stephen E., Professor, Mathematics (1972); Ph.D., University of Utah, 1968; MS, University of Utah, 1965; BS, University of Utah, 1963.

Nguyen, Trung, Assistant Professor, Finance (2022); Ph.D., Old Dominion University, 2019; MS, University of Houston, 2013; BA, Business & Management University, 2009.

Nichols, Bridget M., Professor, Sports Business (2010); Ph.D., University of Tennessee-Knoxville, 2010; MBA, The University of Tampa, 2004; BS, The University of Tampa, 2000.

Nieman, Allison Ash, Assistant Professor, Communications (2021); MFA, Savannah College 2020; BA, Miami University 2014.

Noblitt, Bethany A., Professor, Mathematics (1999); Ph.D., University of Cincinnati, 2006; MA, University of Louisville, 1999; MAT, University of Louisville, 1996; BA, University of Louisville, 1995.

Nolan, Joseph R., Professor, Statistics (2008); Ph.D., Purdue University, 2006; MS, Purdue University, 2002; MA, Eastern Illinois University, 1999; BA, Eastern Illinois University, 1998; BS, Eastern Illinois University, 1998.

Nordheim, Shawn, Associate Professor, Nursing (2010); Ed.D., Northern Kentucky University, 2013; MSN, University of Utah, 1998; BSN, University of South Carolina-Columbia, 1994.

Nutter, Scott L., Professor, Physics (2001); Ph.D., Indiana University, 1991; MS, Indiana University, 1987; BS, University of Georgia, 1985.

O'Callaghan, Tamara F., Professor, English (1997); Ph.D., University of Toronto, 1995; MA, University of Toronto, 1988; BA, University of Toronto, 1986.

O'Connell, Karen, Associate Professor, Nursing (2017); Ph.D., Uniformed Services University of the Health Sciences, 2012; MSN, University of Texas Health Science Center at San Antonio, 1999; BSN, Northern Kentucky University, 1992.

O'Connor, Kathleen A., Lecturer, Psychology (1990); Ed.D., University of Cincinnati, 1987; MA, Athenaeum of Ohio, 2016; MA, Xavier University, 1981; BS, Northern Kentucky University, 1979.

Groom, Summyji, Assistant Professor, Nursing (2022); DNP, Chadham University 2020; MSN, Walden University 2019; BSN, Jackson State University 2013; ASN, Wallace Community College 2011

Olberding, Julie C., Professor, Public Administration (2004); Ph.D., University of Kentucky, 2000; MPA, University of Kentucky, 1992; BS, Ohio University, 1989.

Oluoch, Sydney, Assistant Professor, Biological Sciences (2022); Ph.D., Montclair State University, 2020; MA, Montclair State University, 2014; MS, Montclair State University, 2011; BS, Egerton University (Kenya), 2002.

Onorato, Amber J., Associate Professor, Chemistry & Biochemistry (2013); Ph.D., University of Connecticut, 2008; BA, Southern Connecticut State University, 2003.

Otey, Matthew Zachary, Assistant Professor of Practice (2018); MS, Marshall University, 2012; BBA, Marshall University, 2005.

Owhoso, Vincent E., Professor, Accounting (2005); Ph.D., University of Florida, 1998; BBA, Eastern Kentucky University, 1990; MBA, Eastern Kentucky University, 1986; BS, Berea College, 1984; BA, Berea College, 1983.

Ozaki, Reiko., Associate Professor, Social Work (2017); Ph.D., University of Cincinnati, 2017; MSW, Ohio State University, 1998.

Parker, Allison, Assistant Professor, Biological Sciences (2019); Ph.D., University of Illinois at Urbana-Champaign, 2019; MS, University of Illinois at Urbana-Champaign, 2016; BS, University of Richmond, 2010.

Patten, Deborah A., Associate Professor, Respiratory Care (2002); MA, Northern Kentucky University, 2011; BS, University of Cincinnati, 1976.

Patterson, Nile DeGray, Assistant Professor, Sociology (2021); Ph.D., Louisiana State University 2018; MA, Louisiana State University 2013; BA, Millsaps College 2011.

Paul, Soren, Professor, Business Informatics (2019); Ph.D., University of Wisconsin - Milwaukee 1997; ME, Jadavpur University (India) 1981; BE, Jadavpur University (India) 1977.

Pence, Catherine M., Associate Professor, Nursing (2004); MSN, University of Phoenix, 2003; BSN, University of Cincinnati, 1995.

Pence, Terry G., Professor, Philosophy (1980); Ph.D., Purdue University, 1979; MA, Trinity Evangelical Divinity School, 1974; MA, University of Illinois, 1974; BA, Northeastern Illinois University, 1971.

Perrmann-Graham, Jaclyn, Associate Professor, Business Administration (2017); Ph.D., University of Cincinnati, 2018; MBA, Xavier University, 2011; BA, Miami University, 2009.

Perrone, Nicole, Lecturer, Theatre (2017); MFA, Kent State University, 2009.

Peterson, Mel, Lecturer II, Statistics (2011); MS, University of Iowa, 1982; BS, Western Michigan University, 1980.

Pfendt, Kristine E., Associate Professor, Nursing (2003); MSN, Northern Illinois University, 1984; BS, Northern Illinois University, 1976.

Pilyayeva, Olena, Lecturer II, Management (2007); MBA, Northern Kentucky University, 2007; MS, Kharkiv State Technical Academy of Food Science and Business, 2001.

Pope, Verl T., Professor, Counseling & Human Services (2012); Ed.D., Idaho State University, 1996; MA, Idaho State University, 1993; BS, Idaho State University, 1991.

Poulin, Stephen R., Lecturer, Social Work (2022); Ph.D., Columbia University, 2007; MA, Columbia University, 1997; MSW, Virginia Commonwealth University, 1980; BSW, Virginia Commonwealth University, 1976.

Powell, Angela, Lecturer, Nursing (2017); MSN, Northern Kentucky University, 2017; BSN, Northern Kentucky University, 2011; BA, Northern Kentucky University, 2009; BS, Northern Kentucky University, 2009.

Prather-Jones, Bianca P., Associate Professor, Teacher Education (2003); Ed.D., University of Cincinnati, 2003; MA, University of South Florida, 1998; BA, University of South Florida, 1996.

Providenti, Michael J., Associate Professor, Library Science (1998); MLS, University of Kentucky, 1998; BA, University of Cincinnati, 1994.

Pulos, Alexis, Assistant Professor, Communication (2013); Ph.D., University of New Mexico, 2013; MA, University of New Mexico, 2009; BA, Colorado State University, 2006.

Racke, Amy M., Lecturer II, Biological Sciences (1996); MS, Southeast Missouri State University, 1996; BS, Northern Kentucky University, 1993.

Raghavan, Vijay V., Professor, Business Informatics (1987); Ph.D., Kent State University, 1990.

Raisor Godel, Allison M. R., Senior Lecturer, Communication (2006); MA, Indiana University, 2004; BA, Northern Kentucky University, 2002.

Ramkumar, Chari, Lecturer (2016); Ph.D., Indian Institute of Technology, 1997; M.Tech, Indian Institute of Technology, 1991; MS, Madurai Kamaraj University, 1988; B.Sc., Madurai Kamaraj University, 1986.

Raska, David, Professor, Marketing (2009); Ph.D., Washington State University, 2009; MS, University of Alabama, 2002; MA, Technical University of Liberec, 1999.

Reed, Cynthia, Professor, Education (2014); Ed.D., University of Pittsburgh, 2009.

Reilly, Shauna F., Professor, Political Science (2009); Ph.D., Georgia State University, 2009; MA, Georgia State University, 2003; BA, Queen's University, 2002.

Reynolds, Jonathan T., Professor, History (1999); Ph.D., Boston University, 1995; MA, Boston University, 1991; BA, University of Tennessee-Knoxville, 1988.

Ripberger, Tracy, Lecturer II, Nursing (2017); M.S.A.N.P., Northern Kentucky University, 2006; BSN, Thomas More College, 1992.

Rhinehart, Alessandra, Assistant Professor, Counseling and Human Services (2015); Ph.D., University of Tennessee-Knoxville, 2015; MA, East Tennessee State University, 2010; BS, East Tennessee State University, 2008.

Riffe, Holly A., Professor, Social Work (2001); Ph.D., Ohio State University, 1995; MSW, University of Kentucky, 1988; BS, Northern Kentucky University, 1984.

Robertson, Brian, Lecturer II, Theatre (1999); MFA, University of Cincinnati, 1995; BSW, Ferrum College, 1983.

Robertson, Denice N., Senior Lecturer, Biological Sciences (2001); Ph.D., Old Dominion University, 2001; BS, Purdue University, 1994.

Robinson, Denise L., Professor, Nursing (1984); Ph.D., The University of Texas at Austin, 1991; MSN, University of South Carolina-Columbia, 1977; BSN, University of South Carolina-Columbia, 1976.

Robinson, Erin M., Professor, Nursing (2003); Ed.D., Northern Kentucky University, 2014; MSN, University of Pittsburgh, 2003; BSN, Duquesne University, 1998.

Rosenthal, Lawrence D., Professor, Law (2003); LLM, Georgetown University, 1998; JD, Vanderbilt University, 1993; BA, Union College, 1990.

Rubleske, Joseph, Assistant Professor, Business Informatics (2013); Ph.D., Syracuse University, 2012; MPA, IUPUI-Indiana U-Purdue U-Indianapolis, 1996; BA, Indiana University-Bloomington, 1993.

Runge, Sara, Associate Professor, Teacher Education (1996); Ed.D., University of Cincinnati, 1997; MA, Northern Kentucky University, 1991; BA, Northern Kentucky University, 1989.

Ruscello, Nicole, Assistant Professor, Rehabilitative Services (2022); Ph.D., Kettering College 2015; BS, University of Toledo 2013.

Russ, Robert W., Associate Professor, Accounting and Business Law (2005); Ph.D., Virginia Commonwealth University, 2006; BA, Marietta College, 1983.

Russell, Beatriz, Lecturer, Chemistry & Biochemistry (2020); Ph.D., University of Cincinnati, 2009; MA, Boston University, 2002; BS, University of Miami, 1998.

Russell, Keith F., Professor, Chemistry & Biochemistry (2001); Ph.D., University of Arizona, 1992; BS, Oregon State University, 1985; BS, Oregon State University, 1985.

Ryan, Carol A., Associate Professor, Physical Education (1996); Ph.D., University of Cincinnati, 1988; MA, University of North Carolina, 1979; BA, University of North Carolina, 1978.

Saad, Ihab M., Professor, Construction Management (2011); Ph.D., University of Kentucky, 1996; MS, Cairo University, 1994; BS, Cairo University, 1984.

Sadat-Hossieny, Morteza, Professor, Engineering Technology (1999); Ph.D., Iowa State University, 1989; MS, Murray State University, 1985; BS, Oklahoma State University, 1983.

Sahingoz, Anne Marie, Assistant Professor, Nursing (2021); DNP, Walden University 2016; MSN, Chamberlain University 2013; BSN, Chamberlain University 2012.

Said, Amal, Professor, Accounting (2019); Ph.D., Virginia Commonwealth University, 2003: MS, Old Dominion University, 1997; MS Accounting, Cairo University, 1994; Bachelor of Commerce, Cario University, 1986

Salyer, Robert L., Lecturer II, Accounting (1999); MS, University of Cincinnati, 1984; BS, University of Kentucky, 1980.

Salzman, Ryan, Associate Professor, Political Science (2012); Ph.D., University of North Texas, 2011; BA, Texas Christian University, 2003.

Sanctuary, Megan, Lecturer, Biological Sciences (2017); Ph.D., University of California Davis, 2017; MS, University of Illinois, 2011; BS, Eastern Illinois University, 2009.

Sander, Kurt L., Professor, Music (2003); DMUS, Northwestern University, 1998; MM, University of Cincinnati, 1994; BM, Cleveland State University, 1992.

Sanders, Gabriel J., Professor, Exercise Science (2012); Ph.D., Kent State University, 2012; M.Ed., Ashland University, 2008; BS, Ashland University, 2006.

Sarchet, Bradley, Lecturer, Biological Sciences (2020); Ph.D., University of Wyoming, 1995; MA, University of Wyoming, 1990; BS, Bowling Green State University, 1987.

Schellhas, Hans, Associate Professor, Visual Arts (2007); M.Des., University of Cincinnati, 2007; BA, Northern Kentucky University, 2002; BS, Xavier University, 1996.

Schilling, Mary, Lecturer, Biological Sciences (2019); Ph.D., University of Cincinnati, 1996; MS, Saint Louis University, 1989; BS, McKendree University, 1987.

Schultheis, Patrick J., Professor, Biological Sciences (1999); Ph.D., University of Cincinnati, 1994; MS, University of Dayton, 1986; BS, University of Dayton, 1984.

Schultz, Lois E., Professor, Library Science (1978); MBA, Xavier University, 1983; MLS, University of Kentucky, 1974.

Scola, Michael P., Senior Lecturer, Biological Sciences (2004); DPM, Ohio College of Podiatric Medicine, 1988; BS, Xavier University, 1984.

Sczerbaniewicz, Gary, Assistant Professor, Visual Arts (2022); M.F.A., University of Buffalo, 2013; BFA, Alfred University, 1995.

Shabanian, Hanieh, Assistant Professor, Computer Science (2022); Ph.D., University of Memphis, 2021; MS, University of Memphis, 2017; MS, Qazvin University, 2015; Shariati Technical and Vocational University, 2012.

Shanahan, Eileen, Professor, Education (2021); Ph.D., Ohio State University 2017; M.Ed., Winthrop University 2011; BS, Ohio University 2007.

Sharp, Jennifer, Associate Professor, Counseling & Human Services (2012); Ph.D., Pennsylvania State Univ-Penn State, 2012; MA, Ohio State University, 2011; BA, Denison University, 2002.

Shaw, Ronald A., Associate Professor, Theatre (1989); MFA, Northwestern University, 1987; MA, Bowling Green State University, 1982; BA, Heidelberg College, 1980.

Shelton, Catherine L., Assistant Professor, Chemistry & Biochemistry (2015); Ph.D., University of Cincinnati, 2016; BA, Trinity International University, 2008.

Shelley, Jill A., Lecturer, Criminal Justice (1997); MS, University of Cincinnati, 1990; BS, University of Cincinnati, 1980.

Sherry, Tammie L., Associate Professor, Teacher Education (2004); Ed.D., University of Cincinnati, 2010; M.Ed., Northern Kentucky University, 2000; BA, Northern Kentucky University, 1993.

Shifley, Emily, Associate Professor, Biological Sciences (2014); Ph.D., Ohio State University, 2009; BS, Ohio University, 2003.

Shin, Minchul, Assistant Professor, Engineering Technology (2020); Ph.D., Tufts University, 2012; MS, University of Alabama, 2007; BS, Kyungpook National University, 2005.

Sieve, Bradley J., Lecturer II, Chemistry & Biochemistry (2005); Ph.D., Michigan State University, 2002; BA, Coe College, 1998.

Singleton, David A., Associate Professor, Law (2007); JD, Harvard University, 1991; AB, Duke University, 1987.

Skaggs, James Michael, Lecturer, Communication Studies (2015); MA, Montclair State University, 1996; BA, Jersey State College, 1994.

Slaven, William Charles, Professor of Practice, Business Informatics (2017); MBA, Miami University Oxford, 1974; BS, Miami University Oxford, 1972.

Smith, Britany, Assistant Professor, Psychological Sciences (2022); Ph.D., University of Cincinnati, 2016; BA, Kent State University, 2011.

Smith, Donna B., Associate Professor, Library Science (1987); MLS, University of Kentucky, 1993; BS, Northern Kentucky University, 1983.

Smith, Ernest, Professor, English (2009); Ph.D., New York University, 1987; MA, Wright State University, 1980; BA, Wright State University, 1978.

Smith, Jeffrey M., Professor, Psychology (1988); Ph.D., Colorado State University, 1988; MS, Colorado State University, 1986; BA, Bemidji State University, 1983.

Smith, Lynn W., Associate Professor, Nursing (2010); M.Div., Lexington Theological Seminary, 2003; MSN, University of Cincinnati, 1988; BSN, University of Tennessee-Knoxville, 1977; Ed.D., Northern Kentucky University, 2016.

Snider, Jillian, Lecturer, Business Administration (2017); MBA, Mount St. Joseph University, 2017; BS, College of Mount Saint Joseph, 2010.

Soliday, Paige Byam, Associate Professor, English (1993); Ph.D., University of Wisconsin-Madison, 1993; MA, University of Wisconsin-Madison, 1986; BA, University of Iowa, 1983.

Songer, Tracy, Associate Professor, Electronic Media and Broadcasting (2016); MA, Northern Kentucky University, 2010; BA, Northern Kentucky University, 1996.

Spataro, Sandra E., Associate Professor, Management (2011); Ph.D., University of California-Berkeley, 2000; MA, Stanford University, 1988; BA, Stanford University, 1988.

Standen, Jeffrey, Professor, Law (2013); JD, University of Virginia, 1986; AB, Georgetown University, 1982.

Stephens Jr., Henry L., Professor, Law (1979); JD, University of Kentucky, 1975; BA, Western Kentucky University, 1972.

Stevens, Damon, Lecturer, Theatre (2012); DMA, University of Cincinnati, 2007; MM, University of Cincinnati, 1996; BM, Arizona State University, 1992.

Stine, Elizabeth, Lecturer, Nursing (2016); MSN, Indiana Wesleyan University, 2016; BS Northern Kentucky University, 1984; DNP, College Of Mount St. Joseph.

Stockman, Juliane, Lecturer (2016); MS, Northern Kentucky University, 2008; BS, Ohio University, 1993.

Strawn, Jamey S., Professor, Theatre (2000); MM, University of Cincinnati, 1996; BM, West Chester University of Pennsylvania, 1994.

Strobel, Christopher L., Professor, Electronic Media and Broadcasting (2002); MA, The American University, 1996; BS, Indiana State University, 1990.

Strome, Erin D., Professor, Biological Sciences (2011); Ph.D., Baylor College of Medicine, 2008; BA, Miami University (Ohio), 2001.

Sulu, Mehmet, Assistant Professor, Educational Leadership (2022); Ph.D., Purdue University, 2022; MA, University of Colorado - Denver, 2019; BA, Uludag University - Bursa, 2014.

Sun, Gang, Associate Professor, Engineering Technology (2016); Ph.D., Iowa State University, 2010.

Su, Qing, Associate Professor, Economics (2009); Ph.D., University of South Florida, 2006; MA, University of South Florida, 2002; MS, University of International Business and Economics, 1996; BS, Dongbei University of Finance and Economics, 1993.

Sullivan, Laura A., Associate Professor, Library Science (1984); MA, University of Cincinnati, 1986; MLS, Indiana University, 1981; BA, University of Cincinnati, 1980.

Tagher, C. Gannon, Associate Professor, Nursing (2005); Ed.D., Northern Kentucky University, 2014; MSN, University of Kentucky, 2001; BSN, University of Kentucky, 1997.

Tao, Yangyang, Assistant Professor, Computer Science (2020); Ph.D., Stevens Institute of Technology (NJ), 2020; BS, Fujian Normal University (China), 2011.

Tapp, Karen S., Associate Professor, Social Work (1996); JD, Salmon P Chase College of Law, 1985; MSW, University of Tennessee-Knoxville, 1976; BSW, University of Kentucky, 1974.

Tataw, David, Professor, Health Science (2016); Ph.D., University of Southern Maine, 2001; MA, University of Southern California, 1996; MA, University of Southern California, 1996; MA, California State University-Los Angeles, 1992; MA, Other US Colleges, 1990; BA, Other Non US College, 1982.

Taylor, Christopher, Assistant Professor of Practice, Management (2016); MS Northern Kentucky University (2014); BS Cincinnati Christian University (1994).

Taylor, Emily, Lecturer, Computer Science (2017); MS, Northern Kentucky University, 2013; BS, Northern Kentucky University, 2011.

Taylor, James, Lecturer, Social Work (2012); MSW, University of Alabama; BSW, University of Alabama Birmingham.

Taylor, Jessica A., Professor, Social Work (2012); Ph.D., University of Alabama, 2012; MSW, University of Alabama, 2007; BSW, University of Alabama, 2005.

Tenkotte, Paul, Professor, History (2009); Ph.D., University of Cincinnati, 1989; MA, University of Cincinnati, 1983; BA, Thomas More College, 1982.

Terhune, Katherina, Associate Professor, Social Work (2016); Ph.D., University of Kentucky, 2011; MSW, University of Kentucky, 2007; BA, Otterbein College, 2003.

Teschendorf, Michelle, Clinical Associate Professor, Nursing (2013); BSN, Missouri Western State University, 1996; Ph.D., Saint Louis University.

Thackeray, Mark, Assistant Professor of Practice, Management (2017); MBA Xavier University (1995); BS Georgia Institute of Technology (1988).

Theobald, Robin L.C., Lecturer (2016); MA, University of Louisville, 2013; BA, Thomas More College, 2002.

Thomas, Cynthia, Lecturer, Computer Science (2016); MS, University of Central Florida, 2014; BS, Northern Kentucky University, 2011.

Thompson, E. David, Professor, Biological Sciences (2005); Ph.D., University of Kentucky, 2002; BS, University of Kentucky, 1995.

Thomson, David S., Associate Professor, Electronic Media and Broadcasting (1983); MA, University of Cincinnati, 1971; BM, University of Cincinnati, 1967.

Thornton, Rachel, Lecturer, Geology (2021); MS, University of Cincinnati (2018); BS, Kent State University, 2011.

Tosolt, Brandelyn, Associate Professor, Teacher Education (2008); Ph.D., Oakland University, 2008; MA, University of Michigan-Ann Arbor, 2003; BA, Michigan State University, 2000.

Truta, Traian M., Professor, Computer Science (2004); Ph.D., Wayne State University, 2004; MS, Babes-Bolyai University, 1999; BS, Babes-Bolyai University, 1998.

Tsetse, Anthony, Associate Professor, Computer Science (2016); DS, Towson University, 2012; MS, Other Non US College, 2005; MS, Other Non US College, 2003; BS, Kwame Nkrumah University Of Science & Te, 2001.

Underwood, Jane L., Assistant Professor, Law Library Services (2012); JD, University of Akron, 1980; MLS, Kent State University, 1980; AB, Ohio University, 1977.

Valandra, Rodney, Lecturer, Counseling & Human Services (2011); MA, Xavier University, 2004; BA, Northern Kentucky University, 2001; Ph.D., University of Kentucky.

Van Loveren Geis, Candice N., Lecturer II, Visual Arts (2006); MA, University of Cincinnati, 2004; BFA, University of Cincinnati, 2002.

Van Pottelsberghe, Brian, Assistant Professor, Law Library (2022); JD Pace University 2000; MA University of Arizona 2004; MBA, Pace University 2000; BS, Spring Hill College 1997.

Vance-Eliany, Sharon A., Associate Professor, History (2006); Ph.D., University of Pennsylvania, 2005; BA, University of California-Berkeley, 1990.

Vaughn, Kalif, Associate Professor, Psychological Science (2016); Ph.D., Kent State, 2014; MA, Kent State, 2012; BA, Purdue, 2008.

Vest, Jason, Professor, Music (2014); DMA, University of Kentucky, 2009; MM, Brigham Young University, 2005; BM, Butler University, 2002.

Vietz, Karen, Associate Professor, Nursing (2019); Ph.D. Rocky Mountain University; MSN, Loma Linda University 1993; BSN, Union College 1988.

Voelker, Judy C., Associate Professor, Anthropology (2004); Ph.D., SUNY Buffalo, 2002; MA, SUNY Buffalo, 1994; MBA, Columbia University-New York, 1977; BA, Barnard College, 1974.

Vogelpohl, Rachele, Assistant Professor, Athletic Training (2011); Ph.D., University of Hawaii-Manoa, 2011; MS, University of Hawaii-Manoa, 2009; BS, Northern Kentucky University, 2006.

Wakefield, Monica L., Assistant Professor, Anthropology (2013); Ph.D., Yale University, 2010; BS, Humboldt State University, 1998.

Walden, James W., Professor, Computer Science (2005); Ph.D., Carnegie Mellon University, 1997; MS, Carnegie Mellon University, 1994; BS, Miami University Oxford, 1992.

Wallace, Robert K., Regents Professor, English (1972); Ph.D., Columbia University-New York, 1972; MA, Columbia University-New York, 1967; BA, Whitman College, 1962.

Walker, Rebecca, Lecturer (2013); MS, Miami University Oxford, 2011; BA, University of Cincinnai, 2008.

Walters, Lindsey A., Professor, Biological Sciences (2010); Ph.D., Michigan State University, 2008; BS, Calvin College, 2003.

Walton, Gary, Associate Professor, English (1989); Ph.D., George Washington University, 1991; M.Phil., George Washington University, 1985; MS, University of South Dakota, 1982; BA, Northern Kentucky University, 1981.

Wang, Hongmei, Professor, Computer Science (2007); Ph.D., Pennsylvania State Univ-Penn State, 2007; MS, Chinese Academy of Science, 1997; BS, Changchun College of Geology, 1994.

Wasburn-Moses, Jered, Lecturer, Mathematics (2010); MS, Purdue University, 2000; BS, Purdue University, 1998.

Washington, Michael H., Professor, History (1979); Ed.D., University of Cincinnati, 1984; M.Ed., University of Cincinnati, 1974; BS, University of Cincinnati, 1973.

Wasicsko, Michael M., Professor, Educational Leadership (2005); Ph.D., University of Florida, 1977; M.Ed., University of Florida, 1973; BS, University of Florida, 1971.

Waters, Michael S., Associate Professor, Mathematics (2004); Ph.D., Ohio University, 2003; MA, Miami University Oxford, 1996; BA, Thomas More College, 1994.

Watkins, Andrea S., Professor, History (2002); Ph.D., University of Kentucky, 1999; MA, University of Kentucky, 1993; BA, University of Kentucky, 1991.

Webb, Ginger, Lecturer II, Educational Leadership (2013); MA, Northern Kentucky University, 1996; BA, Eastern Kentucky University, 1990; Ed.D., Northern Kentucky University.

Weir (Baranowski), Kimberly A., Professor, Political Science (2003); Ph.D., University of Connecticut, 2003; MA, Villanova University, 1998; BA, Bloomsburg University of Pennsylvania, 1995.

Weisenbach Keller, Eileen D., Professor, Marketing (2006); Ph.D., Kent State University, 2005; MBA, University of Chicago, 1992; BS, Indiana University, 1983.

Welch, Ann, Lecturer, Education (2022); MA, Gallaudet University 2000; BA, Wright State University 1999.

Wells, Michael D., Lecturer, Library Science (2013); MLS, Kent State University, 2010; BA, Capital University, 2007.

Wells, Zachary D., Lecturer, Popular Culture (2016); MA, Northern Kentucky University, 2012; BA, Northern Kentucky University, 2006.

Wermeling, Linda, Associate Professor, Social Work (2004); Ph.D., University of Kentucky, 2006; MSW, University of Kentucky, 1995.

White, Jason, Associate Professor, Exercise Science (2022); Ph.D., Ohio University, 2011; MS, Ohio University, 2002; BS, Ohio University, 2001.

Whitson, Mary K., Associate Professor, Biological Sciences (2003); Ph.D., Duke University, 2001; BS, University of Florida, 1994.

Wideman, Paige, Lecturer II, Visual Arts (2002); MFA, University of Cincinnati, 1999; BFA, Kansas City Art Institute, 1989.

Wiley, Neisha, Assistant Professor, Social Work (2021); Ed.D., Northern Kentucky University 2020; MSW, University of Cincinnati 2009; BSW, University of Cincinnati 2003.

Wilkerson, David, Lecturer, Social Work (2008); MSW, University of Cincinnati, 1995.

Wilkey, Christopher L., Associate Professor, English (2003); Ph.D., Wayne State University, 2003; MA, University of Dayton, 1996; BA, Northern Arizona University, 1993.

Wilkinson, Steven V., Professor, Mathematics (1989); Ph.D., Rice University, 1984; BA, University of Tulsa, 1979.

Williams, Diane M., Senior Lecturer, Mathematics (1992); MS, Case Western Reserve University, 1983; MS, Rensselaer Polytechnic Institute, 1975; BA, Millersville University of Pennsylvania, 1974.

Williamson, Lauren L., Assistant Professor, Biological Sciences (2018); Ph.D., Duke University, 2014; BA, Williams College, 2007.

Wilson, Darrin, Associate Professor, Public Administration (2018); Ph.D., Florida Atlantic University, 2015; PG. Dipl., University of Essex, 2011; MBA, Suffolk University, 2009; BS, University of Tennessee-Chattanooga, 2007.

Wolfe, Megan, Clinical Assistant Professor, Nursing (2022); D.N.P., George Washington University, 2017; MSN, SUNY Upstate Medical University, 2017; MS, LeMoyne College, 2007; MS, University of Oklahoma, 2001; BS, Cornell University, 1999.

Xie, Yingying, Assistant Professor, Biological Sciences (2022); Ph.D., University of Connecticut, 2016; BS, Beijing Forestry University, 2010; BA, Beijing Forestry University, 2007.

Yannarella, Philip A., Associate Professor, Library Science (1977); MLS, University of Michigan-Ann Arbor, 1970; MA, Duquesne University, 1967; BA, Youngstown State University, 1964.

Yates, Justin R., Professor, Psychology (2012); Ph.D., University of Kentucky, 2014; MS, University of Kentucky, 2011; BS, Georgia College & State University, 2008.

Yates, Kimberly, Associate Professor, Teacher Education (2014); Ph.D., Montana State University-Bozeman, 2013; M.Ed., University of Nevada-Las Vegas, 2004; BA, University of Nevada-Las Vegas, 2000.

Yazdanpour, Mahdi, Assistant Professor, Engineering Technology (2020); Ph.D., Oklahoma State University, 2019; MS, Amirkabir University of Technology, 2012; BS, Azad University, 2003.

Yohe, Kristine A., Professor, English (1997); Ph.D., University of North Carolina, 1997; MA, University of North Carolina, 1988; BA, Emory University, 1984.

Yungbluth, Stephen C., Professor, Communication Studies (2004); Ph.D., University of Kentucky, 2003; MA, University of Kentucky, 1996; BA, Xavier University, 1994.

Zacate, Matthew O., Professor, Physics (2004); Ph.D., Oregon State University, 1997; MS, Oregon State University, 1993; BS, Truman State University, 1991.

Zachary, Samuel J., Professor, Theatre (1990); Ph.D., Bowling Green State University, 1984; MA, Bowling Green State University, 1973; BS, Bloomsburg University of Pennsylvania, 1971.

Zai III, Robert L., Associate Professor, Library Science (2006); MLS, University of Kentucky, 2002; BA, Northern Kentucky University, 1999.

Zajac, Lynne, Professor, Nursing (2015); Ph.D., University of Northern Colorado, 2010.

Zarnowski, **Roger E.**, Professor, Mathematics (2013); Ph.D., Indiana University-Bloomington, 1988; MS Wichita State University, 1983; BS Wichita State University, 1978.

Zimmerman, Jeffrey M., Associate Professor, Organizational Leadership (2012); Ph.D., University of Klagenfurt, 2011; MBA, University of Klagenfurt, 2009; BA, Miami University Oxford, 2004; BS, Miami University Oxford, 2004.

Emeritus Faculty

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Susan S. Adams, English, 22 years of service

Michael C. C. Adams, History, 25 years of service

Carol B. Allred, Law, 19 years of service

Valeria Amburgey, Education, 17 years of service

Barry Andersen, Art, 35 years of service

Margaret Anderson, Nursing, 18 years of service

Barbara Arrighi, Sociology, 27 years of service

Marjorie E. Artzer, Education, 11 years of service

William J. Attenweiler, Psychology, 19 years of service

Hilde Baldridge, Biological Sciences, 26 years of service

Julia Bedell, Chemistry & Biochemistry,28 years of service

Carole Beere, Psychology, 12 years of service

Diana Belland, Music, 36 years of service

Roger Billings, Law, 43 years of service

David Bishop, Teacher Education, 37 years of service

Paul Bishop, Psychological Science, 41 years of service

Judith Blackburn, English, 24 years of service

Leon E. Boothe, History, 21 years of service

Mildred Bork, Nursing, 19 years of service

Stephen Boyd, Communication, 37 years of service

Bart Braden, Mathematics, 29 years of service

Perry R. Bratcher, Library Science, 38 years of service

Robert M. Bratton, Law, 22 years of service

Carol A. Bredemeyer, Law, 44 years of service

Prince Brown, Jr., Sociology and African American Studies, 15 years of service

Rachelle Bruno, Education, 33 years of service

Mary Jeremy Buckman, Nursing, 9 years of service

Margaret Cantrell, Education, 30 years of service

Jerry H. Carpenter, Biological Sciences, 31 years of service

K. Kenneth Carter, Education, 30 years of service

Tom Cate, Economics, 38 years of service

Helen Annette Chavez, Education, 21 years of service

Joy Churchill, Nursing, 21 years of service

James C. Claypool, History, 32 years of service

Gary E. Clayton, Economics, 42 years of service

Donald K. Cobb, Education, 20 years of service

Thomas E. Comte, Management, 13 years of service

Paul Cooper, Construction Management, 27 years of service

Andrea Cornuelle, Allied Health, 35 years of service

Wanda Crawford, English and Writing, 34 years of service

Scot Cunningham, Computer Science, 13 years of service

Daniel J. Curtin, Mathematics, 38 years of service

Kent Curtis, Organizational Leadership, 45 years of service

Yudhister Datta, Accounting, 27 years of service

Deborah Dempsey, Biological Sciences, 38 years of service

Tripta Desai, History and Geography, 48 years of service

Sarah H. Dessner, Nursing, 16 years of service

Larry L. Dickson, English, 30 years of service

Frank H. Dietrich II, Statistics, 29 years of service

Patricia A. Dolan, Social Work, 26 years of service

Linda L. Dolive, Political Science, 38 years of service

Sudesh Duggal, Business Informatics, 30 years of service

David Dunevant, Music, 30 years of service

David Elder, Law, 33 years of service

Allen W. Ellis, Library Science, 36 years of service

Anna England, Art, 30 years of service

John Filaseta, Physics, 29 years of service

Steven Finke, Visual Arts, 29 years of service

Nancy Firak, Law, 33 years of service

Gina Foletta, Mathematics Education, 19 years of service

Sandra Forman, Theatre and Dance, 26 years of service

Charles Frank, Computer Science, 43 years of service

J. Ronald Gardella, Education, 24 years of service

Mary Gers, Nursing, 16 years of service

Martin G. Giesbrecht, Economics, 11 years of service

Larry A. Giesmann, Biological Sciences, 37 years of service

George D. Goedel, Psychology, 27 years of service

Edward P. Goggin, Law, 26 years of service

W. Jonathan Gresham, Music, 26 years of service

Diane H. Gronefeld, Radiological Science, 31 years of service

W. Jack Grosse, Law, 21 years of service

Gayle Sheard Grout, Music, 35 years of service

LeRoy Gruner, Sociology, 20 years of service

Christopher Gulinello, Law, 19 years of service

Carolyn Hagner, Music, 29 years of service

Jon Hastings, Biological Sciences, 29 years of service

Charles Hawkins, Physics, 33 years of service

Clinton Hewan, Political Science, Criminal Justice and Organizational Leadership, 25 years of service

W. Vernon Hicks, Jr., Chemistry, 37 years of service

Jan Hillard, Political Science, Criminal Justice and Organizational Leadership, 12 years of service

David Hogan, Psychology, 36 years of service

William L. Holloway, Management, 18 years of service

James F. Hopgood, Anthropology, 30 years of service

MaryCarol Hopkins, Anthropology, 43 years of service

Barbara Houghton, Art, 20 years of service

Martin J. Huelsmann, Law, 34 years of service

Lisa B. Jameson, Visual Arts, 25 years of service

Margo Jang, English, 35 years of service

Elaine Jarchow, Education, 7 years of service

Nancy Jentsch, German, 39 years of service

Jennifer J Jolly-Ryan, Law, 31 years of service

William R. Jones, Law, 19 years of service

Brant Karrick, Music Education, 20 years of service

Thomas J. Kearns, Mathematics, 32 years of service

Ann Keller, Nursing, 18 years of service

Donald R. Kelm, Art History, 23 years of service

Robert J. Kempton, Chemistry, 24 years of service

James W. Kinne, Industrial Education & Technology, 12 years of service

Lenore J. Kinne, Teacher Education, 16 years of service

Barbara Klaw, French, 26 years of service

Michael Klembara, Mathematics, 35 years of service

Philip Koplow, Music, 27 years of service

Aimee Krug, Mathematics, 36 years of service

Robert Kues, Biological Sciences, 23 years of service

Vinay Kumar, Chemistry, 38 years of service

Katherine C. Kurk, French, 33 years of service

Adrianne Lane, Nursing, 6 years of service

Robert Langenderfer, Respiratory Care, 24 years of service

Lynn Langmeyer, Marketing, 21 years of service

Samuel Lapin, Communication, 27 years of service

Robert Lilly, Regent's Professor in the Department of Sociology, Anthropology and Philosophy, 43 years of service

William M. Lindsay, Management, 32 years of service

Angela Lipsitz, Psychology, 36 years of service

Nan Littleton, Social Work, 31 years of service

Ann Schmidt Luggen, Nursing, 16 years of service

Ellen Madden, Teacher Education, 12 years of service

Greg Martin, Marketing, 13 years of service

George Manning, Psychological Science, 45 years of service

Nancy Dysart Martin, Music, 30 years of service

Rosetta J. Mauldin, Social Work and Human Services, 17 years of service

Carrie A. McCoy, Nursing, 35 years of service

Cynthia R. McDaniel, Psychology, 30 years of service

Thomas F. McGovern III, Visual Arts, 19 years of service

James E. McKenney, Statistics, 30 years of service

William M. McKim, Jr., English, 30 years of service

Elizabeth A. McMillan-McCartney, Mathematics, 40 years of service

Ray McNeil, Physics, Geology, and Engineering Technology, 33 years of service

Michael R. McPherson, Physics, 30 years of service

Roger C. Meade, Education, 29 years of service

Nicholas Melnick, Education, 26 years of service

John Metz, History and Geography, 32 years of service

P. Andrew Miller, English, 22 years of service

Janet A. Miller, Education, 24 years of service

Peter E. Moore, Mathematics Education, 30 years of service

Frances T. Mosser, Nursing, 26 years of service

Patrick Moynahan, Communication, 27 years of service

Robert Mullen, Communication, 31 years of service

Margaret T. Myers, Marketing, 33 years of service

James H. Niewahner, Chemistry, 40 years of service

Sharlotte Neely, Anthropology, 43 years of service

Ralph D. O'Brien, Technology, 24 years of service

Linda Olasov, Education, 24 years of service

William R. Oliver, Chemistry, 31 years of service

L. MacKenzie Osborne, English, 39 years of service

David Payne, History, 33 years of service

Debra Pearce, Biological Sciences, 39 years of service

Charles Pinder, Technology, 10 years of service

Joseph E. Price, English, 24 years of service

Russell F. Proctor II, Communication, 25 years of service

J. Gaut Ragsdale, Communication, 33 years of service

James Ramage, History, 43 years of service

Elinor Rambo, Biological Sciences, 33 years of service

Thomas C. Rambo, Biological Sciences, 34 years of service

John Steve Rankin, Mathematics, 37 years of service

Robert T. Rhode, English, 34 years of service

Jerald H. Richards, Philosophy, 31 years of service

W. Michael Ryan, History, 28 years of service

Toru Sakaguchi, Business Informatics, 22 years of service

Lowell Schechter, Law, 33 years of service

John C. Schlipp, Library Science, 15 years of service

Peter Schiff, English, 35 years of service

Phillip H. Schmidt, Mathematics and Statistics, 8 years of service

Fredrick Schneider, Law, 39 years of service

Vincent G. Schulte, Psychology, 27 years of service

Linda J. Sheffield, Mathematics Education, 25 years of service

Chenliang Sheng, English, 24 years of service

David Short, Law, 12 years of service

Raman J. Singh, Geology, 26 years of service

Jennifer S. Smith, Library Science, 40 years of service

Joe K. Smith, Mathematics, 30 years of service

Lynne A. Smith, Teacher Education, 35 years of service

Robert A. Snyder, Management, 36 years of service

Suzanne Wegener Soled, Education, 7 years of service

Gerard St. Amand, Law, 18 years of service

Mark Stavsky, Law, 37 years of service

Miriam Steinitz-Kannan, Biological Sciences, 38 years of service

Christine B. Stiegler, Construction Management, 28 years of service

William C. Stoll, Psychology, 13 years of service

Penelope Bradley Summers, Journalism, 31 years of service

Ralph A. Tesseneer, Psychology, 19 years of service

Jim Thomas, Psychological Science, 42 years of service

Louis R. Thomas, History, 17 years of service

John C. Thompson, Finance, 17 years of service

Michael L. Turney, Communication, 36 years of service

John Valauri, Law, 39 years of service

Kathleen S. Verderber, Management, 21 years of service

Robert C. Vitz, History, 36 years of service

James C. Votruba, Educational Leadership, 24 years of service

Ray N. Waggoner, Education, 10 years of service

William S. Wagner, Physics, 22 years of service

Stephen Walker, Teacher Education, 28 years of service

Jeffrey A. Ward, Computer Science, 18 years of service

Jerry W. Warner, Biological Sciences, 30 years of service

Gail W. Wells, Computer Science, 42 years of service.

Edwin T. Weiss, Jr., Geography, 30 years of service

Steven M. Weiss, Communication Studies, 28 years of service

Threasa L. Wesley, Library Science, 39 years of service

Donald R. Welti, Psychology, 21 years of service

John O. Westlund, Music, 32 years of service

Constance Carroll Widmer, Education, 24 years of service

Robert Wilcox, History and Geography, 29 years of service

Jeffrey Williams, History, 43 years of service

Marian C. Winner, Library Services, 9 years of service

Philip A. Yannarella, Library Science, 44 years of service

Kristen R. Yount, Sociology, 18 years of service

Caryl Yzenbaard, Law, 41 years of service

Samuel Zachary, Theatre, 27 years of service

Tom Zaniello, English, 37 years of service

Rosella C. Zeiser, Nursing, 27 years of service

APPENDICES

Advanced Placement (AP)

High school students may receive credit by earning the required score on an approved AP examination. An appropriate number of semester hours will be awarded, and a grade of pass (*P*) will be assigned for successful completion of approved courses. Information concerning the AP program may be obtained from a high school counselor. Official AP scores should be sent to NKU's Office of Admissions (Lucas Administrative Center 400). Additional information on regulations and approved NKU programs for AP credit may be obtained from the Office of Admissions. Examination scores range from 1 to 5. Subject areas in which a student may receive credit from NKU by earning acceptable scores are listed below.

Credit for those areas marked by an asterisk (*) must be coordinated with the chair of the relevant department.

DISCIPLINE	ACCEPTABLE SCORE	COURSE	SEMESTER HOURS
AP African American Studies	3, 4, 5	BLS 100 Introduction to Black Studies	3
AP Research Capstone	3, 4, 5	Elective 200T	3
AP Seminar Capstone	3, 4, 5	Elective 200T	3
Art, Visual Arts	3, 4, 5	ART 100 Art Appreciation	3
Art, Drawing	3, 4, 5	ARTD 210 Drawing I	3
Art, Studio 2D	3, 4, 5	ART 135 Creating Visual Order	3
Art, Studio 3D	3, 4, 5	ART 130 Creating Visual Form	3
Art History	3, 4, 5	ARTH 100 History of Art: Renaissance Modernism **AND** ARTH 101 History of Art: Prehistoric through Goth	3 3
Biological Sciences	3	BIO 120 Understanding the Living World BIO 120L Understanding the Living World Laboratory	4
Biological Sciences	4, 5	BIO 150 /BIO 150L Introduction to Biology I with laboratory **OR** BIO 120/BIO 120L Understanding the Living World	4 4
Calculus AB*	3	MAT 128 Calculus A --OR-- MAT 112 Applied Calculus	3
Calculus AB*	4, 5	MAT 129 Calculus I	4
Calculus BC*	3	MAT 129 Calculus I	4
Calculus BC*	4, 5	MAT 129 Calculus I **AND** MAT 229 Calculus II	4 5
Chemistry*	3	CHE 120/CHE 120L General Chemistry I with laboratory	4
Chemistry*	4, 5	CHE 120/CHE 120L General Chemistry I with laboratory **AND** CHE 121/CHE 121L General	4 4

		Chemistry II with laboratory	
Chinese Language and Culture	3	CHI 201 Intermediate Chinese I Students who continue their language study at NKU can receive credit for CHI 101 Elementary Chinese I and CHI 102 Elementary Chinese II by completing CHI 202 Intermediate Chinese II and receiving a grade of *C*- or better	3
Chinese Language and Culture	4, 5	CHI 202 Intermediate Chinese II	3
Computer Science A	3, 4, 5	CSC 260/CSC 260L Object-Oriented Programming I with Laboratory	3 1
Computer Science Principles	3, 4, 5	INF 100T Computer Science Elective Credit	3
English Language/ Composition	3	ENG 101 College Writing	3
English Language/ Composition	4, 5	ENG 101 College Writing **AND** ENG 102 Advanced College Writing	3 3
English Literature/ Composition	3, 4, 5	ENG 200 Understanding Literature	3
Environmental Science	3, 4, 5	ENV 110 Introduction to Environmental Science and Issues	3
European History	3, 4, 5	HIS 100 History of Europe to 1713 **AND** HIS 101 History of Europe, 1713 to the Present	3 3
French Language and Culture	3	FRE 201 Intermediate French I Students who continue their language study at NKU can receive credit for FRE 101 Elementary French I and FRE 102 Elementary French II by completing FRE 202 Intermediate French II and receiving a grade of *C*- or better	3
French Language and Culture	4	FRE 202 Intermediate French II Students who continue their language study at NKU can receive credit for FRE 101 Elementary French I, FRE 102 Elementary French II, and FRE 201 Intermediate French I by completing a FRE 300-level course with a grade of *C*- or better	3
French Language and Culture	5	FRE 304 French Composition and Conversation Students who continue their language study at NKU can receive credit for FRE 101 Elementary French I, FRE 102 Elementary French II, FRE 201	3

		Intermediate French I, and FRE 202 Intermediate French II by completing a 300-level course or higher with a grade of *C*- or better	
German Language and Culture	3	GER 201 Intermediate German I Students who continue their language study at NKU can receive credit for GER 101 Elementary German I and GER 102 Elementary German II by completing GER 202 Intermediate German II and receiving a grade of *C*- or better	3
German Language and Culture	4	GER 202 Intermediate German II Students who continue their language study at NKU can receive credit for GER 101 Elementary German I, GER 102 Elementary German II, and GER 201 Intermediate German I by completing a GER 300-level course with a grade of *C*- or better	3
German Language and Culture	5	GER 304 German Composition and Conversation Students who continue their language study at NKU can receive credit for GER 101	3
		Elementary German I, GER 102 Elementary German II, GER 201 Intermediate German I, and GER 202 Intermediate German II by completing a 300-level course or higher with a grade of *C*- or better	
Government and Politics - U.S.	3, 4, 5	PSC 100 American Politics	3
Government and Politics - Comp.	3, 4, 5	PSC 102 Comparative Politics	3
Human Geography	3, 4, 5	GEO 100 Global Viewpoints: Geography and the Human Landscape	3
Italian Language and Culture	3	ITA 201 Intermediate Italian I	3
Italian Language and Culture	4, 5	ITA 202 Intermediate Italian II	3
Japanese Language and Culture	3	JPN 201 Intermediate Japanese I Students who continue their language study at NKU can receive credit for JPN 101 Elementary Japanese I and JPN 102 Elementary Japanese II by completing JPN 202 Intermediate Japanese II and receiving a grade of *C*- or better.	3

Japanese Language and Culture	4, 5	JPN 202 Intermediate Japanese II	3
Latin: Virgil	3	LAT 101 Elementary Latin I	3
Latin: Virgil	4, 5	LAT 101 Elementary Latin I LAT 102 Elementary Latin II	3 3
Macroeconomics	3, 4, 5	ECO 200 Principles of Macroeconomics	3
Microeconomics	3, 4, 5	ECO 201 Principles of Microeconomics	3
Music	3, 4, 5	MUSM 111 Music Theory I **AND** MUSM 122 Aural Skills I	4
Physics 1	3, 4, 5	PHY 211 General Physics with Laboratory I	5
Physics 2	3, 4, 5	PHY 213 General Physics with Laboratory II	5
Physics B	3	PHY 110 Introduction to Physics with Laboratory	4
Physics B	4	PHY 211 General Physics with Laboratory I	5
Physics B	5	PHY 211 General Physics with Laboratory I **AND** PHY 213 General Physics with Laboratory II	10
Physics C Mechanical	3	PHY 211 General Physics with Laboratory I	5
Physics C Mechanical	4, 5	PHY 220 University Physics with Laboratory I	4
Physics C Electricity/Magnetism	3	PHY 213 General Physics with Laboratory II	5
Physics C Electricity/Magnetism	4, 5	PHY 222 University Physics with Laboratory II	4
Psychology	3, 4, 5	PSY 100 Introduction to Psychology	3
Precalculus	3, 4, 5	MAT 119 Pre-Calculus Mathematics	3
Spanish Language	3	SPI 201 Intermediate Spanish I Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I and SPI 102 Elementary Spanish II by completing SPI 202 Intermediate Spanish II and receiving a grade of *C*- or better	3
Spanish Language	4	SPI 202 Intermediate Spanish II Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I, SPI 102 Elementary Spanish II, and SPI	3

		201 Intermediate Spanish I by completing a SPI 300-level course with a grade of *C*- or better	
Spanish Language	5	SPI 304 Spanish Composition and Conversation Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I, SPI 102 Elementary Spanish II, SPI 201 Intermediate Spanish I, and SPI 202 Intermediate Spanish II by completing a 300-level course or higher with a grade of *C*- or better	3
Spanish Literature	3	SPI 201 Intermediate Spanish I Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I and SPI 102 Elementary Spanish II by completing SPI 202 Intermediate Spanish II and receiving a grade of *C*- or better	3
Spanish Literature	4	SPI 202 Intermediate Spanish II Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I, SPI 102 Elementary Spanish II, and SPI 201 Intermediate Spanish I by completing a SPI 300-level course with a grade of *C*- or better	3
Spanish Literature	5	SPI 304 Spanish Composition and Conversation Students who continue their language study at NKU can receive credit for SPI 101 Elementary Spanish I, SPI 102 Elementary Spanish II, SPI 201 Intermediate Spanish I, and SPI 202 Intermediate Spanish II by completing a 300-level course or higher with a grade of *C*- or better	3
Statistics	3, 4, 5	STA 205 Introduction to Statistical Methods **OR** STA 113 Introduction to Probability and Statistics	3
U.S. History	3, 4, 5	HIS 102 History of U.S. through 1877 **AND** HIS 103 History of U.S. since 1877	3 3
World History	3, 4, 5	HIS 108 World History to 1500 **AND** HIS 109 World History since 1500	3 3

Amazon Web Services (AWS)

NKU students who have completed and passed the AWS Certified Cloud Practitioner certification will receive credit for an equivalent NKU course. Students must submit proof of successful completion of the program. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
AWS Certified Cloud Practitioner	CIT 300T Computer Information Technology Transfer Elective	3

American Board of Opticianry - National Contact Lens Examiners (ABO-NCLE)

NKU students that hold a current license and are certified with a documented apprenticeship will receive credit for an NKU equivalent course. Students must submit a copy of their optician's license and proof of apprenticeship. The chart below shows the semester credit hours and the equivalent NKU course.

Examination	Minimum Score	Equivalent NKU Course	Total Semester Hours
ABO-NCLE Certification Examination	Pass	HSC 200T Business Elective Transfer Credit SCI 100G Natural Science General Education Credit	18 3

American Medical Technologists (AMT)

NKU students who have taken and received a passing score on a certification examination from the American Medical Technologists (AMT) will receive credit for equivalent NKU courses.

The chart below lists the examinations, prerequisites, minimum score, the equivalent NKU courses and the maximum number of hours.

Examination	Prerequisite	Equivalent NKU Courses	Total Semester Credits
AMT - Registered Medical Assistant (RMA)	PASS	BIO 100G Natural Science General Education HSC 101	3 3 18
		Introduction to Health Professions HSC 100T Health Science Transfer Elective HSC 200T Health Science Transfer Elective HSC 300T Health Science Transfer Elective	6 4

American Red Cross (ARC)

NKU students who have successfully completed the First Aid, CPR, and AED training from the American Red Cross will receive credit for equivalent NKU courses. Students must submit proof of successful completion of the program.

The chart below lists the examinations, prerequisites, minimum score, the equivalent NKU courses and the maximum number of hours.

Examination	Prerequisite	Equivalent NKU Course	Total Semester Credit Hours
American Red Cross - First Aid/CPR/AED	PASS	HEA 135	3

American Registry for Diagnostic Medical Sonography (ARDMS)

NKU students who have taken and received a passing score on a certification examination from the American Registry for Diagnostic Medical Sonography (ARDMS), as determined by the Department of Allied Health, will receive credit for equivalent NKU courses.

Examinations may be primary or post-primary examinations. An example of a primary examination is the ARRT exam for radiography. Students who have graduated from a program that is/was accredited by the Joint Review Committee on Education in Radiologic Technology but is not housed in a college that is/was regionally accredited would receive credit for radiography courses comparable to what would have been completed in an associate degree program at NKU. Post-primary exams are administered to those who have already completed an associate degree at a regionally accredited institution, passed the primary examination in their discipline, transferred credit for professional coursework to NKU and subsequently studied didactic content, demonstrated clinical competence and passed a post-primary exam in radiography, nuclear medicine, sonography, respiratory care or other health care discipline.

The chart below lists the examinations, pre-requisites, minimum score, the equivalent NKU courses and the maximum number of hours.

EXAMINATION	PREREQUISITE	EQUIVALENT NKU COURSES	TOTAL SEMESTER CREDITS
ARDMS - Secondary credentialing exam leading to different credential (AB)(BR)(FE)(OB/GYN)(PS)(AE)(PE)(VT)(MSKS)	ARDMS - SPI and specialty (e.g. RDMS, RDCS, RVT, or RMSKS	RAD 494 Topics: Radiology RAD 496 Practicum: Advanced Imaging	6

American Registry of Radiologic Technologists (ARRT)

NKU students who have taken and received a passing score on a certification examination from the American Registry of Radiologic Technologists (ARRT) as determined by the Department of Allied Health, will receive credit for equivalent NKU courses.

Examinations may be primary or post-primary examinations. An example of a primary examination is the ARRT exam for radiography. Students who have graduated from a program that is/was accredited by the Joint Review Committee on Education in Radiologic Technology but is not housed in a college that is/was regionally accredited would receive credit for radiography courses comparable to what would have been completed in an associate degree program at NKU. Post-primary exams are administered to those who have already completed an associate degree at a regionally accredited institution, passed the primary examination in their discipline, transferred credit for professional coursework to NKU and subsequently studied didactic content, demonstrated clinical competence and passed a post-primary exam in radiography, nuclear medicine, sonography, respiratory care or other health care discipline.

The chart below lists the examinations, prerequisites, minimum score, the equivalent NKU courses and the maximum number of hours.

EXAMINATION	PREREQUISITE	EQUIVALENT NKU COURSES	TOTAL SEMESTER CREDITS
ARRT - Computed Tomography (CT)	ARRT - Radiography; R.T.(R) *or* Therapy; R.T.(T) *or* NMTCB; CNMT	RAD 470 Advanced Imaging RAD 496 Radiographic Practicum VII	6
ARRT - Magnetic Resonance Imaging (MR)	ARRT - Radiography; R.T.(R) *or* Therapy R.T.(T)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Mammography (M)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Bone Densitometry (BD)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Cardiac Interventional (CI)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Vascular-Interventional (VI)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Cardiovascular-Interventional (CV)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Radiation Therapy (T)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6
ARRT - Radiography (R)*	Graduation from JRCERT accredited	RAD 200 Introduction to Radiography	49

EXAMINATION	PREREQUISITE	EQUIVALENT NKU COURSES	TOTAL SEMESTER CREDITS
*Credit hours are reserved for certified technologists who were either trained at a hospital-based program or an institution where credit does not transfer to NKU.	program and R.T.(R)	RAD 208 Radiographic Procedures I RAD 208L Radiographic Positioning Lab I RAD 209 Radiographic Procedures II RAD 209L Radiographic Procedures Lab II RAD 214 Analysis of Radiographic Quality RAD 214L Analysis of Radiographic Quality Lab RAD 216 Physical Principles of Radiographic Equipment RAD 286 Radiographic Practicum I RAD 296 Radiographic Practicum II RAD 308 Radiographic Procedures III RAD 309 Radiographic Procedures IV RAD 340 Radiation Biology & Protection RAD 350 Clinical Pathology for Radiographers RAD 376 Radiographic Practicum III RAD 386 Radiographic Practicum IV	
		RAD 396 Radiographic Practicum V RAD 480 Radiography Seminar	
ARRT - Sonography (S)	ARRT - Radiography; R.T.(R)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6

Association of Certified Biblical Counselors (ACBC)

NKU students who have successfully completed the training from the Association of Certified Biblical Counselors (ACBC), will receive credit for equivalent NKU courses. Students must submit official training documentation showing they have fulfilled the education, exams, and supervised counseling requirements.

The chart below lists the examinations, minimum score, the equivalent NKU courses and the maximum number of hours.

Examination	Minimum Score	Equivalent NKU Courses	Total Semester Credits
Association of Certified Biblical Counselors (ACBC) Training	Pass	REL 300T	3

Center Manager Certification Program (CMCP)

NKU students who have completed the Emergency Number Professional Center Manager Certification Program (CMCP) will receive credit for the below NKU equivalent courses. Students must submit proof of successful completion of the program. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Emergency Number Professional Center	Pass	LDR 300T	1

Manager Certification Program (CMCP)			

CERTIFIED REVENUE CYCLE REPRESENTATIVE (CRCR)

NKU students who have successfully completed the Certified Revenue Cycle Representative certification through Healthcare Financial Management Association (HFMA) will receive credit for equivalent NKU courses. Students must submit their CRCR certificate showing successful completion. The chart below lists the examinations, minimum score, the equivalent NKU courses and the maximum number of hours.

Examination	Minimum Score	Equivalent NKU Courses	Total Semester Credits
Certified Revenue Cycle Representatinve Certificate	PASS	FIN 200T	1

CHEMICAL DEPENDENCY COUNSELOR ASSISTANT (CDCA)

NKU students who have successfully earned the Ohio state certification as a Chemical Dependency Counselor Assistant at two levels: Phase 1 and Phase 2, will receive credit for the below NKU equivalent courses. Students must submit proof of an active license. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Chemical Dependency Counselor Assistant Certification	Pass	HSR 340 Intro to Substance Abuse in Human Services HSR 450 Diagnosis and Treatment of Substance Use	6

Child Development Associate (CDA)

NKU students who have taken and passed the CDA examination and have submitted a CDA application will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course. The credential must be valid; not expired.*

Examination	Minimum Score	Equivalent NKU Course	Total Semester Hours
Preschool CDA	Pass	EDU 551 Preschool Education and Programming EDU 320 Family Engagement in the Home, School and Community EDU 568 Administration and Supervision in Early Childhood Education	9
Infant/Toddler CDA	Pass	EDU 552 Infant Toddler Education and Programming EDU 320 Family Engagement in the Home, School and Community EDU 568 Administration and Supervision in Early Childhood Education	9

* If the CDA was earned June 2013 - present. CDAs earned prior to June 2013 will need to be evaluated by faculty for possible NKU equivalencies.

CISCO

NKU students who have taken and passed an examination from Cisco, and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
CCNA Exam (200-301)*	CIT 247 Networking Fundamentals CIT 447 Network Design/Troubleshooting	6

CCNP Security Core Exam (350-701)*	CYS 484 Network Security	3
Certified Entry Networking	CIT 247 Networking Fundamentals	3

*Credit given for exams taken after Summer 2020

College Level Examination Program (CLEP)

CLEP, a national program of credit by examination administered by the College Board, was adopted at NKU to provide individuals with an opportunity to earn credit by examination. The Office of Testing Services at NKU is a recognized CLEP testing center and provides information about the tests as well as administering them. A grade of pass (*P*) will be assigned for the successful passage of a CLEP examination. Students are urged to consult their advisors before registering for CLEP exams.

The chart below shows, for each CLEP exam accepted by NKU, the minimum score, the semester credit hours earned with that score, and the equivalent NKU courses. NKU requires submission of an official score report. (The university reserves the right to revise these listings in accord with recommendations from the American Council on Education). Check the university's testing website (http://testing.nku.edu) for updates.

EXAMINATION	MINIMUM SCORE	EQUIVALENT NKU COURSES	SEMESTER CREDITS
American Government	50	PSC 100 American Politics	3
American Literature	50	ENG 208 Survey of American Literature I **AND** ENG 209 Survey of American Literature II	6
Analyzing and Interpreting Literature	50	ENG 200 Understanding Literature	3
Calculus	50	MAT 129 Calculus I	4
College Composition (English Composition with Essay)	50	ENG 101 College Writing	3
College Algebra	50	MAT 109 Algebra for College Students	3
College Mathematics	50	MAT 100G Elective Credit	3
Biology	50	BIO 120/BIO 120L Understanding the Living World with Lab	4
Chemistry (no lab credit awarded)	50	CHE 120 General Chemistry I **AND** CHE 121 General Chemistry II	6
English Literature	50	ENG 202 Survey of British Literature I **AND** ENG 203 Survey of British Literature II	6
Financial Accounting	50	ACC 200 Principles of Accounting I - Financial	3
French Language	50 - 59	FRE 101 Elementary French I **AND** FRE 102 Elementary French II	6
	60+	FRE 101 Elementary French I **AND** FRE 102 Elementary French II **AND** FRE 201 Intermediate French I **AND** FRE 202 Intermediate French II	12
German Language	50 - 59	GER 101 Elementary German I **AND** GER 102 Elementary German II	6
	60+	GER 101 Elementary German I **AND** GER 102 Elementary German II **AND** GER 201 Intermediate German I **AND** GER 202 Intermediate German II	12

Human Growth and Development	50	EDU 300 Human Growth and Development	3
Humanities	50	GCC 100G - Elective Credit	3
Information Systems and Computer Applications	50	BIS 300T - Elective Transfer Credit	3
Introductory Business Law	50	BUS 230 Legal Environment	3
Introductory Psychology	50	PSY 100 Introduction to Psychology	3
Introductory Sociology	50	SOC 100 Introduction to Sociology	3
Natural Science	50	SCI 100G - General Education Credit (no lab)	3
Pre-Calculus*	50	MAT 119 Pre-Calculus Mathematics	3
Principles of Macroeconomics	50	ECO 200 Principles of Macroeconomics	3
Principles of Management	50	MGT 205 Business Management Principles	3
Principles of Marketing	50	MKT 205 Principles of Marketing	3
Principles of Microeconomics	50	ECO 201 Principles of Microeconomics	3
Social Science-History	50	SSHI 100G - Elective Credit	3
Spanish Language	50 - 56	SPI 101 Elementary Spanish I **AND** SPI 102 Elementary Spanish II	6
	57+	SPI 101 Elementary Spanish I **AND** SPI 102 Elementary Spanish II **AND** SPI 201 Intermediate Spanish I **AND** SPI 202 Intermediate Spanish II	12
U.S. History I: Early Colonization to 1877	50	HIS 102 History of the United States through 1877	3
U.S. History II: 1865 to Present	50	HIS 103 History of the United States since 1877	3
Western Civilization I: Ancient to 1648	50	HIS 100 History of Europe to 1713	3
Western Civilization II: 1648 to Present	50	HIS 101 History of Europe, 1713 to the Present	3

* NKU students who take and pass the Precaculus CLEP exam must consult with the Department of Mathematics and Statistics for permission to move onto the next math course.

Computing Technology Industry Association (CompTIA)

NKU students who have taken and passed an examination from CompTIA, and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NK
Security+ (versions SY0-501 and later)	CYS 285 Cybersecurity Fundamen
Network+	INF 284 Introduction to Compute
Linux+	CIT 371 Unix Systems

Note: Students with Security+ exams SY0-401 and before will be required to take CYS 285.

Credit for Prior Learning Examination (CPLE)

NKU faculty members have provided a unique opportunity for students wishing to receive credit for what they already have learned. Credit for Prior Learning Examinations (CPLE) are available for currently enrolled NKU students. The exams listed below are available to take and a grade of pass (P) will be assigned for the successful passage of a CPLE examination. Awarded CPLE credit will not replace any prior earned class credit.

Examination	Credit Hours	Equivalent NKU Course
Introduction to Cultural Anthropology	3	ANT 100 Introduction to Cultural Anthropology
General Anthropology	3	ANT 100T General Anthropology
Unearthing the Past: Introduction to World Prehistory	3	ANT 110 Unearthing the Past: World Archaeology
Medical and Biological Terminology	3	BIO 272 Medical and Biological Terminology
Introduction to Black Studies	3	BLS 100 Introduction to Black Studies
Unix Systems	3	CIT 371 Unix Systems
Architectural Drafting and CAD	3	CMGT 222 Architectural Drafting and CAD
Object-Oriented Programming I	3	CSC 260 Object-Oriented Programming I
Object-Oriented Programming II	3	CSC 360 Object-Oriented Programming II
Introduction to Manufacturing	3	EGT 116 Introduction to Manufacturing
Engineering Materials*	3	EGT 261 Engineering Materials
Manufacturing Processes and Operations*	3	EGT 265 Manufacturing Processes and Metrology
Statics and Strength of Materials*	3	EGT 300 Statics and Strength of Materials
Applied Dynamics*	3	EGT 340 Applied Dynamics
Principals of Finance	3	FIN 305 Principals of Finance
Healthcare Management	3	HSC 410 Healthcare Management
Elementary Programming	3	INF 120 Elementary Programming
Introduction to Web Development	3	INF 286 Introduction to Web Development
Introduction to Supervision	3	LDR 100T Elective Transfer
Information Literacy	3	LIN 175 Information Literacy
Finite Mathematics*	3	MAT 114 Finite Mathematics
Facebook Digital Marketing Certificate	9	MKT 205 Principles of Marketing MKT 300 Marketing Tool MKT 370 Social Media Marketing
Advanced Facebook Digital Marketing Certificate	3	MKT 394 Topics: Marketing Issues
Asana Project Management Certificate	6	MGT 305 Operations Management in Business MGT 306 Project Management
Ethics in America	3	PHI 200 Ethics
Ethics in Technology	3	PHI 310 Information Ethics
Introduction to World Religions	3	REL 200 World Religions and Cultures

*Students wishing to take these exams must seek permission from the appropriate department before registering.

DSST Examinations

The DSST credit-by-examination program, recommended by the American Council on Education, is a form of prior-learning assessment that gives students the opportunity to receive college credit as a result of their test scores. The Office of Testing Services at NKU is a recognized DSST testing center and provides information about the tests as well as administers them. A grade of pass (*P*) will be assigned for the successful passage of a DSST examination. Students are urged to consult their advisors before registering for DSST exams. NKU requires submission of an official score report. Check the university's testing website (http://testing.nku.edu) for updates. (The university reserves the right to revise these listings in accord with recommendations from the American Council on Education).

EXAMINATION	MINIMUM SCORE	EQUIVALENT NKU COURSES	SEMESTER HOURS
A History of the Vietnam War	400	HIS 565 The Vietnam War	3
Astronomy	400	AST 100G (This credit goes toward a student's elective credit and can satisfy a general education natural science requirement. It will not substitute a course.)	3
Art of the Western World	48+ Departmental Essay	ARTH 101 Survey of Western Art	3
The Civil War and Reconstruction	400	HIS 394 Special Topics: Civil War and Reconstruction	3
Environmental Science	400	ENV 110 Introduction to Environmental Science and Issues	3
Fundamentals of College Algebra	400	MAT 100T (This credit goes toward a student's elective credit. It will not substitute a course.)	3
Health & Human Development	400	BIO 125 Biological Perspective of Wellness	3
Introduction to Geography	400	GEO 100 Global Viewpoints on Geography and the Human Landscape	3
Computing and Information Technology	432	BIS 101 Computer Literacy and Informatics	3
Management Information Systems	430	BIS 300 Management Information Systems	3
Principles of Statistics	400	STA 205 Introduction to Statistical Methods	3
Substance Abuse	400	HSR 340 Alcoholism: Issues and Intervention	3
Ethics in America	400	PHI 200 Ethics	3
Ethics in Technology	400	PHI 310 Information Ethics	3
General Anthropology	400	ANT 100T(This credit goes toward a student's elective credit. It will not substitute a course.)	3
Introduction to World Religions	400	REL 200 World Religions and Cultures	3

Electrician Certification (ELEC)

NKU students who have a Kentucky Electrician License and have taken and passed the below examinations from NCCER and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

Examination	Minimum Score	Equivalent NKU Courses	Total Semester Hours
Active registered Kentucky Electrician's License via Standard	PASS	CMGT 101 Introduction to Construction Management CMGT 306 Electrical	18

Journeyman Examination NCCER Exams* 8000 On-the-Job Training Hours		Systems for Construction CMGT 300T Technical Elective CMGT 300T Technical Elective CMGT 300T Technical Elective CMGT 300 Cooperative Education CMGT 300 Cooperative Education EGT 100G Natural Sciences General Education	

*NCCER Exams Required:

26101 Orientation to the Electrical Trade
46101 Fundamentals of Crew Leadership
26310 Load Calculations - Branch and Feeder Circuits
26303 Practical Applications of Lighting
26306 Distribution Equipment
26308 Commercial Electrical Services
26401 Load Calculations - Feeders and Services
26403 Standby and Emergency Systems
26405 Fire Alarm Systems
26408 HVAC Control
26201 Alternating Current
26202 Motors-Theory and Application
26203 Electric Lighting
26204 Conduit Bending
26205 Pull and Junction Boxes
26206 Conductors and Installations
26207 Cable Tray
26208 Conductor Terminations and Splices
26209 Grounding and Bonding
26210 Circuit Breakers and Fuses
26211Control Systems and Fundamental Concepts
26302 Conductor Selection and Calculations
26304 Hazardous Locations
26305 Overcurrent Protection
26307 Transformers
26309 Motor Calculations
26310 Voice, Data, and Video
26311 Motor Controls
26402 Healthcare Facilities
26404 Basic Electronic Theory
26406 Specialty Transformers
26407 Advanced Controls
26409 Heat Tracing and Freeze Protection
26410 Motor Operation and Maintenance
26411 Medium-Voltage Terminations and Splices
26412 Special Locations

Emergency Medical Technician (EMT)

NKU students who have earned the credential of Emergency Medical Technician (EMT) will receive credit for the below NKU equivalent courses. Students must submit proof of certification. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	NKU Equivalent Course	Total Semester Hours
Emergency Medical Technician	PASS	BIO 272 Medical Terminology BLAB 100G Natural Science Lab General Education HSC 100T General Health Science Transfer Elective HEA 135 Safety and First Aid	3 1 3 3

Federal Bureau of Prisons (FBOP)

NKU students who have successfully completed officer training with the Federal Bureau of Prisons will receive credit for the below NKU equivalent courses. Students must submit an official transcript indicating they have graduated. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Federal Bureau of Prisons Training Transcript	Pass	PHE 108 Aerobic Conditioning PHE 109 Strength Training HEA 135 Safety and First Aid JUS 100G Individual and Society General Education Credit JUS 201 Corrections in America	20

		JUS 204 Criminal Investigation JUS 294 Topics: Justice Studies JUS 294 Topics: Justice Studies	

Financial Industry Regulatory Authority (FINRA) Examinations

NKU students who have taken and received a passing score on a Financial Industry Regulatory Authority (FINRA) examination (as determined by the Department of Accounting, Finance, and Business Law) will receive credit for an equivalent NKU course. The chart below shows, for each FINRA exam accepted by NKU, the minimum score, the semester credit hours earned with that score, and the equivalent NKU courses.

EXAMINATION	Series	Prerequisite	MINIMUM SCORE	EQUIVALENT NKU COURSES
Registered Options Principal (OP)	4	S7, or S62 with S42, S17, S37, or S38	Pass	FIN 345 Investment and Security Analysis AND FIN 405 Derivative Securities
General Securities Representative (GS)	7	None	Pass	FIN 345 Investment and Security Analysis
General Securities Sales Supervisor (Options Module FINRA-SU)	9	S7	Pass	FIN 345 Investment and Security Analysis
General Securities Sales Supervisor (General Module FINRA-SU)	10	S7	Pass	FIN 345 Investment and Security Analysis
General Securities Principal (GP)	24	S7, S17, S37, S38, S62, S79, or S82	Pass	FIN 345 Investment and Security Analysis
Municipal Securities Principal (MP)	53	S52 or S7 (if passed prior to 11/7/11)	Pass	FIN 345 Investment and Security Analysis
NASAA-Uniform Combined State Law Exam (AG and/or RA)	66	S7	Pass	FIN 345 Investment and Security Analysis
Life and Health Insurance Licenses in several states	NA	NA	Pass	FIN 355 Principles of Risk Management and Insurance

GOVERNOR'S SCHOOL FOR ENTREPRENEURS (GSE)

Students who have attended the Governor's School for Entrepreneurs program at NKU will receive credit for the below NKU equivalent course. Students must present a certificate of completion from the Haile/US Bank College of Business. This credit is only valid at Northern Kentucky University for enrolled NKU students. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Governor's School for Entrepreneurs Certificate of Completion	Pass	ENTP 394 Topics: Entrepreneurship	3

Harvard Business School Core (CORe)

NKU students who have completed the Harvard Business CORe program will receive for an NKU equivalent course. Students must submit an official record with "Pass" in all three of the courses to receive this credit.

Examination	Minimum Score	Equivalent NKU Course	Total Semester Hours
Harvard Business CORe Program Courses: Business Analytics Economics for Managers Financial Accounting	Pass	BUS 300T Business Elective Transfer Credit	3

International Baccalaureate

High school students completing this rigorous program may receive credit by earning the required score in a specific subject. An appropriate number of semester credit hours will be awarded the grade of pass (*P*) for successful completion of approved courses. To earn credit, the student must request that an official transcript issued by the New York office of the International Baccalaureate be sent to the Office of the Registrar. Additional information on regulations and approved NKU programs for IB credit may be obtained from the Office of the University Registrar. Subject areas in which a student may receive credit from NKU by earning acceptable scores are listed below.

SL = Subsidiary Level
HL = Higher Level
* StndL = Standard Level

SUBJECT AREA	COURSE	ACCEPTABLE SCORE	EQUIVALENCY	CREDITS
Biology	Biology (SL) Biology (HL)	5 or higher 5 or higher	BIO 100G BIO 100G	3 3
Business Administration	Business Administration (SL) Business Administration (HL)	5 or higher 5 or higher	BUS 200T MGT 205 - Business Management Principles/3 credit hours	3 3
Chemistry	Chemistry (SL) Chemistry (HL)	5 or higher 5 or higher	CHE 102 - Introduction to Chemistry **AND** one credit of chemistry lab CHE 120 - General Chemistry I **AND** CHE 121 - General Chemistry II (Credit for associated labs "CHE 120L - General Chemistry I Laboratory" and "CHE 121L - General Chemistry II Laboratory," 1 credit each, may be awarded but will require department review of student's lab syllabi and may require additional lab work or testing on the part of the student before credit is awarded.)	3 1 3 3
Computer Science	Computer Science (SL) Computer Science (HL)	5 or higher 5 or higher	INF 120 - Elementary Programming INF 120 - Elementary Programming	3 3
Economics	Economics (HL)	5 or higher	ECO 200 - Principles of Macroeconomics **AND** ECO 201 - Principles of Microeconomics	3 3
Film	Film (SL) Film (HL)	5 or higher 4 or higher	CIN 200 - Introduction to Cinema Studies CIN 200 -	3 3

			Introduction to Cinema Studies	
Geography	Geography (SL) Geography (HL)	5 or higher 5 or higher	GEO 100 - Global Viewpoints on Geography and the Human Landscape GEO 100 - Global Viewpoints on Geography and the Human Landscape	3 3
Global Politics	Global Politics (SL) Global Politics (HL)		PSC 103 - International Politics PSC 103 - International Politics	3 3
History	History (SL) Histotry (HL)	5 or higher 5 or higher	HIS 109 - World History since 1500 HIS 109 - World History since 1500	3 3
Literature	English Language A Lit. (HL) Language A Lang. and Lit. (SL)	5 or higher 5 or higher	ENG 200 - Understanding Literature ENG 200 - Understanding Literature	3 3
Language	Modern Languages Language B (SL) French (SL) German (SL) Spanish (SL) Language B (HL) French (HL)	 5 or better 5 or better 5 or better 5 or better 5 or better 5 or better	 FRE 201 - Intermediate French I* GER 201 - Intermediate German I* SPI 201 - Intermediate Spanish I* FRE 201 **AND** FRE 202 - Intermediate	 3 3 3 6 6 6
	German (HL) Spanish (HL)		French I & II** GER 201 **AND** GER 202 - Intermediate German I & II** SPI 201 **AND** SPI 202 - Intermediate Spanish I & II** * Students who continue their language study at NKU can receive credit for the 101 (Elementary I) and 102 (Elementary II) level of study in the corresponding language by completing the 202 (Intermediate II) level in the language and receiving a grade of C- or better. ** Students who continue their language study at NKU can receive credit for the 101 (Elementary I) and 102 (Elementary II) level of study in the corresponding language by completing a 300-level course or higher in the language and receiving a grade of C- or better.	
Mathematics	Mathematics Higher level (HL)	4 or higher	MAT 129 - Calculus I **AND** MAT 229 - Calculus II	4 5

Music	Music (SL) Music (HL)	5 or higher 5 or higher	MUS 100 - Music Appreciation MUS 100 - Music Appreciation & MUS 100T	3 6
Philosophy	Philosophy (SL) Philosophy (HL)	5 or higher 5 or higher	PHI 110 - Philosophy, Individuals and Society PHI 110 - Philosophy, Individuals and Society	3 3
Physics	Physics (SL) Physics (HL)	4 or higher 5 or higher	PHY 211 - General Physics with Laboratory I PHY 211 - General Physics with Laboratory I **AND** PHY 213 - General Physics with Laboratory II	5 10
Psychology	Psychology (SL) Psychology (HL)	5 or higher 5 or higher	PSY 100 - Introduction to Psychology PSY 100 - Introduction to Psychology	3 3
Social and Cultural Anthropology	Social and Cultural Anthropology (SL) Social and Cultural Anthropology (HL)	5 or higher 5 or higher	ANT 100 - Introduction to Cultural Anthropology ANT 100 - Introduction to Cultural Anthropology	3 3
Theatre and Dance	Theatre (SL) Theatre (HL) Dance (SL) Dance (HL)	5 or higher 5 or higher 5 or higher 5 or higher	TAR 100 - Theatre Appreciation TAR 110 - Acting I DAN 120 - Ballet Dance I DAN 220 - Ballet Dance II	3 3 3 3
Visual Arts	Visual Arts (SL) Visual Arts (HL)	5 or higher 5 or higher	ART 100 - Art Appreciation ART 100 - Art Appreciation	3 3

International Board of Specialty Certification (IBSC)

NKU students who have successfully completed all requirements of the below credential(s) through the International Board of Specialty Certification (IBSC) will receive credit for an equivalent NKU course. Students must submit a copy of their certificate indicating they have earned the credential. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Certified Flight Paramedic	Pass	HSC 200T General Health Science Elective	3
Certified Critical Care Paramedic	Pass	HSC 200T General Health Science Elective	3

Kentucky License Recognition Sales Associate

NKU students who have successfully completed and hold a current Kentucky Real Estate Sales Associate license will receive credit for an NKU equivalent course. Students must submit an official record with "Pass" and copy of their Kentucky real estate license. The chart below shows the semester credit hours and the equivalent NKU course.

Examination	Minimum Score	Equivalent NKU Course	Total Semester Hours
Kentucky Real Estate Sales Associate Examination	Pass	BUS 100T Business Elective Transfer Credit	3

Kentucky Peer Support Specialist (KPSS)

NKU students who have successfully completed the Kentucky Peer Support Specialist training and examination will receive credit for an NKU equivalent course. Students must submit an official record with "Pass" and copy of their Kentucky Peer Support Specialist certificate. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	MINIMUM SCORE	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
Kentucky Peer Support Specialist Certificate	Pass	HSR 102 Foundation of Recovery Support	1

Leadership Exploration and Development (LEAD)

NKU students who have graduated from the LEAD Program (2019-2020)*, will receive credit for the below NKU equivalent courses. Students must submit proof of successful completion of the program. The chart below shows the semester credit hours and the equivalent NKU course.

*Students that have completed this program before or after 2019-2020 will be evaluated by the department.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Leadership Exploration and Development (LEAD) Graduate	Pass	LDR 300T	3

Microsoft Office specialist (MOS)

NKU students who have taken and passed one of the Microsoft Office Specialist (MOS) examinations will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

Examination	Equivalent NKU Course	Total semester
Microsoft Office Specialist Associate Microsoft Office Specialist Expert Microsoft Office Specialist Master	BIS 101 Fundamentals of Business Computing	3

MUBEA Apprenticeship Training (MUBEA)

NKU students who have successfully completed the Mubea Apprenticeship Training will receive credit for the below NKU equivalent courses. Students must submit a copy of their certificate of completion. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Kentucky Registered Apprenticeship Program Certificate (under the sponsorship of Mubea)	Pass	EGT 116 Introduction to Manufacturing EGT 265 Manufacturing Processes and Metrology EGT 301 Cooperative Education in Engineering Technology EGT 300T General EGT Transfer Elective EGT 361 Fluid Power EGT 386 Electro-Mechanical Instrumentation and Control	18

National Association of Insurance Commissioners (NAIC)

NKU students who have obtained a certification for Life, Variable Life and Variable Annuity and Health Insurance will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

LICENSE TYPE	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
Life, Variable Life and Variable Annuity and Health Insurance	FIN 355 Principles of Risk Management and Insurance	3

National Board for Respiratory Care (NBRC)

NKU students who have taken and received a passing score on a certification examination from the National Board for Respiratory Care (NBRC), as determined by the Department of Allied Health, will receive credit for equivalent NKU courses.

Examinations may be primary or post-primary examinations. An example of a primary examination is the ARRT exam for radiography. Students who have graduated from a program that is/was accredited by the Joint Review Committee on Education in Radiologic Technology but is not housed in a college that is/was regionally accredited would receive credit for radiography courses comparable to what would have been completed in an associate

degree program at NKU. Post-primary exams are administered to those who have already completed an associate degree at a regionally accredited institution, passed the primary examination in their discipline, transferred credit for professional coursework to NKU and subsequently studied didactic content, demonstrated clinical competence and passed a post-primary exam in radiography, nuclear medicine, sonography, respiratory care or other health care discipline.

The chart below lists the examinations, prerequisites, minimum score, the equivalent NKU courses and the maximum number of hours.

EXAMINATION	PREREQUISITE	EQUIVALENT NKU COURSES	TOTAL SEMESTER CREDITS
NBRC - Adult Critical Care Specialty (RRT-ACCS)	NBRC - Registered Respiratory Care (RRT)	RSP 460 Advanced Respiratory Critical Care	3
NBRC - Neonatal/Pediatric Respiratory Care Specialist (RRT-NPS), or Registered Pulmonary Function (RPFT)	NBRC - Registered Respiratory Care (RRT)	RSP 496 Clinical Practicum VI	3
NBRC - Sleep Disorders Testing and Therapeutic Intervention Specialist (RRT-SDS)	NBRC - Registered Respiratory Care (RRT)	RSP 400T Respiratory Therapy General Transfer Elective RSP 400T Respiratory Therapy General Transfer Elective	6
NBRC - Registered Respiratory Therapist (RRT)	Pass	RSP 386 Clinical Practicum III RSP 396 Clinical Practicum IV RSP 486 Clinical Practicum V RSP 480 Respiratory Care Seminar GNSL 100G Natural Science Lab General Education	16

National Certification Corporation (NCC)

NKU students who have successfully completed all requirements of the Neonatal Pediatric Transport credential through the National Certification Corporation (NCC) will receive credit for an equivalent NKU course. Students must submit a copy of their certificate indicating they have earned the credential. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
Neonatal Pediatric Transport	Pass	HSC 200T General Health Science Elective	3

National Council Licensure Examination (NCLEX-RN)

A requirement for admission to the RN to BSN program is an active registered nursing license. In order to obtain a nursing license nurses must take and pass the National Council Licensure Examination (NCLEX-RN). Since 1994 the NCLEX has been a nationwide examination for the licensing of nurses in the United States. The examination is developed and owned by the National Council of State Boards of Nursing, Inc. (NCSBN). The NCSBN administers these examinations on behalf of its member boards which consist of the boards of nursing in all 50 states. Scores for passing the exam are issued to the board of nursing. The blueprint testing plan for the exam is updated every three years to reflect current, entry-level nursing competency. Validation for passing the exam will be to verify a current license with the state board of nursing in which the student is licensed.

To assure content validity a testing plan is developed every three years. The test plan is reviewed and approved by the NCLEX Examination Committee. They use recent practice analysis of registered nurses, expert opinions of the Examination Committee,NCSBN content staff, and boards of nursing (NCSBN's Member Boards) to ensure that the test plan is consistent with state nurse practice acts. A thorough and comprehensive listing of

content for each client needs category and subcategory is outlined in the test plan.

EXAMINATION	PREREQUISITE	MINIMUM SCORE	EQUIVALENT NKU COURSES	SEMESTER CREDITS
Active registered nursing license via NCLEX.	ADN	Pass	NRS 330 Principles of Psych & Mental Health Nursing NRS 330P Psych & Mental Health Nursing Practicum NRS 360 Principles of OB & Newborn Nursing NRS 360P OB & Newborn Nursing Practicum NRS 415 Principles of Pediatric Nursing NRS 415P Pediatric Nursing Practicum NRS 450 Advanced Medical-Surgical Nursing NRS 450P Advanced Medical-Surgical Practicum SCI 100G Natural Sciences	23

National Federation of Professional Trainers (NFPT)

NKU students who have completed the Certified Personal Trainer (CPT) certification through the National Federation of Professional Trainers (NFPT) will receive credit for the below NKU equivalent courses. Students must submit proof of successful completion of the program. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester Hours
National Federation of Professional Trainers - Certified Personal Trainer (NFPT-CPT)	Pass	KIN 260 Introduction to Strength and Conditioning	3

Nuclear Medicine Technologist Certification Board (NMTCB)

NKU students who have taken and received a passing score on a certification examination from the Nuclear Medicine Technologist Certification Board (NMTCB), as determined by the Department of Allied Health, will receive credit for equivalent NKU courses.

Examinations may be primary or post-primary examinations. An example of a primary examination is the ARRT exam for radiography. Students who have graduated from a program that is/was accredited by the Joint Review Committee on Education in Radiologic Technology but is not housed in a college that is/was regionally accredited would receive credit for radiography courses comparable to what would have been completed in an associate degree program at NKU. Post-primary exams are administered to those who have already completed an associate degree at a regionally accredited institution, passed the primary examination in their discipline, transferred credit for professional coursework to NKU and subsequently studied didactic content, demonstrated clinical competence and passed a post-primary exam in radiography, nuclear medicine, sonography, respiratory care or other health care discipline.

The chart below lists the examinations, prerequisites, minimum score, the equivalent NKU courses and the maximum number of hours.

EXAMINATION	PREREQUISITE	EQUIVALENT NKU COURSES	TOTAL SEMESTER CREDITS
NMTCB - Nuclear Cardiology (NCT), or Positron-Emission Technology (PET)	CNMT or ARRT (N)	RAD 494 Topics: Radiology RAD 496 Radiographic Practicum VII	6

Oracle

NKU students who have taken and passed an examination from Oracle, and hold a current certification (at the time of registering for classes) will receive credit for an equivalent NKU course. The chart below shows the semester credit hours and the equivalent NKU course.

EXAMINATION	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
OCA Oracle Certified Associate	CIT 472 Database Administration	3

PHARMACY TECHNICIAN CERTIFICATION BOARD (PTCB)

NKU students who have successfully passed the Pharmacy Technician Certification Exam (PTCE) will receive credit for the below NKU equivalent courses. Students must submit an official score report from PTCB indicating they have passed. The chart below shows the semester credit hours and the equivalent NKU course.

CREDENTIAL TYPE	MINIMUM SCORE	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
Pharmacy Technician Certification Exam	Pass	BIO 272 Medical Terminology SCI 100G Natural Science General Education Credit HSC 100T Health Science Elective Transfer Credit HSC 100T Health Science Elective Transfer Credit	12

Police Academy (POAC)

NKU students who have successfully graduated from an accredited Police Academy will receive credit for the below NKU equivalent courses. Students must submit an official transcript indicating they have graduated. The chart below shows the semester credit hours and the equivalent NKU course.

CREDENTIAL TYPE	MINIMUM SCORE	EQUIVALENT NKU COURSE	TOTAL SEMESTER HOURS
Police Academy Transcript	Graduated	PHE 108 Aerobic Conditioning PHE 109 Strength Training HEA 135 Safety and First Aid JUS 100G Individual and Society General Education Credit JUS 200 Police in America JUS 204 Criminal Investigation JUS 294 Topics: Justice Studies JUS 294 Topics: Justice Studies	20

Registered Polysomnographic Technologist (RPSGT)

NKU students who have taken and received a passing score on a certification examination from the Board of Registered Polysomnographic Technologists (BRPT), will receive credit for equivalent NKU courses. Students must submit a verification letter indicating they have passed the exam and earned the credential.

The chart below lists the examinations, minimum score, the equivalent NKU courses and the maximum number of hours.

Examination	Minimum Score	Equivalent NKU Courses	Total Semester Credits
BRPT - Registered Polysomnographic Technologist Exam	PASS	RSP 400T Respiratory Therapy General Transfer Elective RSP 400T Respiratory Therapy General Transfer Elective	6

Society for Human Resource Management (SHRM)

NKU students who have completed the Society for Human Resource Management Certified Professional (SHRM-CP) or the Society for Human Resource Management Senior Certified Professional (SHRM-SCP) certification through the Society for Human Resource Management (SHRM) will receive credit for the below NKU equivalent course. Students must submit proof of successful completion of the program. The chart below shows the semester credit hours and the equivalent NKU course.

Credential Type	Minimum Score	Equivalent NKU Course	Total Semester hours

Society for Human Resource Management (SHRM-CP or SHRM-SCP)	Pass	MGT 340 human Resource Administration	3

Kentucky Residency

Residency status for a student is initially determined during the admission process.

Below are examples of what affects the determination of a student's residency status at NKU. This information does not substitute for the regulations that govern the determination of Kentucky residency. The regulations can be found online (http://inside.nku.edu/registrar/forms-records/residency/regulatory.html).

The state of Kentucky will assume you are NOT a resident if:

- You had an out-of-state address on your application for admission.
- You moved into Kentucky primarily to enroll in the university.
- You moved into Kentucky and within 12 months of that move you enrolled at a Kentucky institution for more than the number of hours considered half-time.
- You have been in continuous absence from the state for one year.
- You are a graduate of an out-of-state high school within five (5) years prior to a request for a determination of residency status;
- You attended an out-of-state higher education institution during the past academic year and paid in-state tuition at that institution.

You can challenge your status designation by submitting the official residency affidavit and presenting at least two of the following documents proving that you have:

- Accepted a full-time job or transfer to an employer in Kentucky, Greater Cincinnati, or nearby Indiana while moving your domicile into the state of Kentucky.
- Lived in Kentucky continuously as a non-student for 12 months before the semester in which you plan to enroll.
- Prepared an income tax form that shows the payment of Kentucky withholding taxes for the most recent calendar year.
- Been employed full-time for one year while living in Kentucky.
- Obtained a professional license or certification in Kentucky.
- Paid real property taxes in Kentucky.
- Owned real property that was used by you as a resident before the date of application for determining residency.
- Married a Kentucky resident.
- Had a continued presence in Kentucky during academic breaks.
- Not relied on student financial aid in order to provide basic sustenance.

Residency affidavits can be picked up in the registrar's office or downloaded from the residency section of the registrar's website (http://inside.nku.edu/registrar/forms-records/residency.html).

Deadlines for residency appeals:

- Fall and spring semesters: 30 days after the first day of classes.
- Summer: 10 days after the first day of classes (in the first session in which the student is enrolled).

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