Regulations Subject to Change

Every effort has been made to assure the accuracy of this catalog to the extent possible at press time. However, changes in or elimination of provisions contained herein on any and all matters, including courses, course descriptions, designations of faculty, fees, and other charges, admission and degree requirements, and academic policies and procedures, may be made and applied before the next catalog is published. Students should contact the appropriate department head, dean, or other administrative office for current information.

Western Carolina University does not intend to enter into a contractual relationship with any student or other person through the issuance of The Record and does not intend to create any cause of action against the State of North Carolina, The University of North Carolina, the Board of Governors, the President, Western Carolina University (WCU), WCU's Board of Trustees, WCU's Chancellor, or any other officer, agency, agent, or employee of the state, The University of North Carolina, or WCU.

Western Carolina University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, age, sexual orientation, or disability. Moreover, Western Carolina University is open to people of all races and actively seeks to promote racial diversity by recruiting and enrolling African American, American Indian, and other minority students.

For information concerning affirmative action policies and procedures, contact the Affirmative Action Office, 530 H.F. Robinson Administration Building, Western Carolina University, Cullowhee, North Carolina 28723, 828-227-7116.
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2018-2019 Academic Calendar

Fall 2018

August 17  Friday  Residence halls open
August 20  Monday  All classes begin (8:00 AM)
August 31  Friday  University census date (5:00 PM)
September 3  Monday  Labor Day (No classes)
September 24  Monday  Fifth week grades due (5:00 PM)
October 1  Monday  Deadline to apply to graduate in December
October 8-12  Monday-Friday  Fall Break
October 26  Friday  Last day to drop with a "W"
October 30  Tuesday  Advising Day (No classes or faculty meetings)
October 31  Wednesday  Registration begins for Spring 2018
October 31  Wednesday  Online graduation application opens for Spring 2019
November 3  Saturday  Homecoming
November 21-23  Wednesday - Friday  Thanksgiving (No classes)
December 7  Friday  Last day of classes
December 8-14  Saturday - Friday  Final exams (Saturday- Friday)
December 15  Saturday  Commencement (1:00 PM) Ramsey Center (time tentative)
December 17  Monday  All grades due (10:00 AM)
**Fall 8 Week Session Dates**

August 20  Monday  First 8 Week Begins

September 14  Friday  Last Day to Withdraw

October 12  Friday  First 8 Week Ends

October 15  Monday  Last 8 Week Begins

November 9  Friday  Last Day to Withdraw

December 7  Friday  Last 8 Week Ends

*8 Week Session students do not observe Fall Break*

**Spring 2019**

January 11  Friday  Orientation

January 11  Friday  Residence halls open

January 14  Monday  All classes begin (8:00 AM)

January 21  Monday  Martin Luther King, Jr. Birthday (No classes)

January 28  Monday  University census date (5:00 PM)

February 1  Friday  Deadline to apply to graduate in May

February 18  Monday  Fifth week grades due (5:00 PM)

February 26  Tuesday  Advising Day (No Classes)

February 27  Wednesday  Registration begins for Summer/Fall 2019
February 27  Wednesday  Online graduation application opens for Summer 2019 and Fall 2019

March 11-15  Monday - Friday  Spring Break

March 22  Friday  Last day to drop with a "W"

April 17-19  Wednesday - Friday  No classes

May 3  Friday  Last day of classes

May 4-10  Saturday - Friday  Final exams

May 10  Friday  Commencement-Graduate Students (7:00 PM) Ramsey Center

Commencement - College of Arts & Sciences, Education & Allied Professions, Fine & Performing Arts (10:00 AM) Ramsey Center

May 11  Saturday  Commencement-Colleges of Business, Health & Human Sciences, Kimmel School (2:00 PM) Ramsey Center (time tentative)

May 13  Monday  All grades due (10:00 AM)

Spring 8 Week Session Dates

January 14 Tuesday First 8 Week Begins

February 8 Friday  Last Day to Withdraw

March 8  Friday  First 8 Week Ends

March 11  Monday Last 8 Week Begins

April 5  Friday  Last Day to Withdraw

May 3  Friday  Last 8 Week Ends

*8 Week Session students do not observe Spring Break
NOTE: Pay close attention to start and end dates of various summer courses. Summer session term dates can be found on the Registrar's web page.

<table>
<thead>
<tr>
<th>Date</th>
<th>Monday - Tuesday</th>
<th>Term</th>
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</thead>
<tbody>
<tr>
<td>May 13-28</td>
<td>Minimester term</td>
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<tr>
<td>May 13 - July 5</td>
<td>Assisted registration for Asheville, Suite 355 Biltmore Park</td>
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<tr>
<td>May 30-31</td>
<td>Registration (9 and first 4.5-week term)</td>
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<tr>
<td>June 3</td>
<td>Classes begin for 9 and first 4.5-week term (8:00 AM)</td>
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<td>June 3 - August 6</td>
<td>9-week term</td>
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<tr>
<td>June 3 - July 3</td>
<td>First 4.5-week term</td>
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<td>July 4</td>
<td>Independence Day Holiday (University closed)</td>
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<tr>
<td>July 5</td>
<td>Registration (Second 4.5-week term)</td>
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<tr>
<td>July 5</td>
<td>Classes begin for second 4.5-week term (8:00 AM)</td>
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<tr>
<td>July 5</td>
<td>Deadline to apply to graduate in August</td>
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<tr>
<td>July 5 - August 6</td>
<td>Second 4.5-week term</td>
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<tr>
<td>Various Dates</td>
<td>Last day of each course</td>
<td>Final exams</td>
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## Important Telephone Numbers

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<td>Advising Center</td>
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<td>Colleges</td>
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<td>College of Arts and Sciences</td>
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<td>College of Education and Allied Professions</td>
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<td>College of Fine and Performing Arts</td>
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<td>College of Health and Human Sciences</td>
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<td>Graduate School</td>
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<td>Honors College</td>
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<td>Kimmel School of Construction Management and Technology</td>
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<td>Disability Services</td>
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<td>Educational Outreach</td>
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<td>Financial Aid</td>
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<td>Food Services</td>
<td>227-7396</td>
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<td>Fraternities, Sororities, Clubs</td>
<td>227-7206</td>
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<tr>
<td>General Student Information</td>
<td>227-7234</td>
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<tr>
<td>Information Technology/Help Desk</td>
<td>227-7487</td>
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<td>International Students</td>
<td>227-7494</td>
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<tr>
<td>One Stop</td>
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<td>Orientation</td>
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<td>Parking Services</td>
<td>227-7275</td>
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<td>Provost Office</td>
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<td>Registrar, Student Records, Transcripts</td>
<td>227-7216</td>
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<td>Residential Living</td>
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<td>Student Accounts</td>
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<td>Military Student Services</td>
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About the University

The University

A member of the University of North Carolina, Western Carolina University offers courses in the arts, sciences, technologies, humanities, and professions. Students can elect degree programs at the bachelor's, master's, or doctoral level of study. Doctoral degrees are offered in educational leadership and physical therapy. As a regional institution, it serves the people of North Carolina from its residential campus at Cullowhee and through off-campus instruction in Asheville and other locations.

Our Mission:

Western Carolina University creates learning opportunities that incorporate teaching, research, service, and engagement through on-campus, off-campus, on-line and international experiences. The university focuses its undergraduate, master's and three doctoral programs, educational outreach, research, and creative and cultural activities to sustain and improve individual lives and enhance economic and community development in western North Carolina and beyond.

Our Core Values and Guiding Principles:

- Excellence, Scholarship, Teaching and Learning
- Collaboration with and Respect for our Communities
- Free and Open Interchange of Ideas
- Responsible Stewardship and Organizational Effectiveness
- Organizational and Environmental Sustainability
- Cultural Diversity and Equal Opportunity

Our Vision:

To be a national model for student learning and engagement that embraces its responsibilities as a regionally engaged university.

Location

Western Carolina University is located in the scenic Appalachian mountain ranges in Cullowhee, North Carolina. The university consists of the main campus in Cullowhee and resident-credit centers in Asheville and Cherokee. A faculty of about 675 serves a student body of approximately 9,400 in resident-credit and extension classes.
The Cullowhee campus is in a rural valley between the Blue Ridge and Great Smoky Mountains, fifty-two miles west of Asheville and seven miles south of Sylva on North Carolina Highway 107. The location at the southern end of Cullowhee Valley in the heart of the Tuckasegee River basin gives it an unusually attractive setting. The closest commercial airport to the university is located in Asheville.

The central campus consists of about 233 acres, including beautifully wooded areas and modern academic, student-residence, recreation, and athletic facilities. The Blue Ridge Parkway, Great Smoky Mountains National Park, Qualla Boundary (Cherokee), Fontana Lake, and numerous resort areas offer golfing, skiing, fishing, hunting, hiking, water sports, and other recreational opportunities nearby.

**Governance**

Western Carolina University, a constituent institution of The University of North Carolina, functions under the jurisdiction of the Board of Governors of The University of North Carolina and the Board of Trustees of Western Carolina University. Policies of the Board of Governors are administered by the president and the General Administration of The University of North Carolina. The Board of Trustees receives its authority by delegation from the Board of Governors.

The chancellor is the chief administrative officer of the university. The Faculty Senate, the principal policy-recommending body of the faculty, operates under the provisions of a faculty constitution and bylaws.

**Accreditation**

Western Carolina University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master's, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Western Carolina University.

In addition to this institutional accreditation, other special accreditation by appropriate agencies includes these:

- AACSB International - The Association to Advance Collegiate Schools of Business
- ABET, Engineering Accreditation Commission
- American Chemical Society
- American Council for Construction Education
- American Dietetic Association
- American Speech-Language-Hearing Association
- Commission on Accreditation of Allied Health Education Programs
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education (CCNE)
- Council on Accreditation of Athletic Training Education Commission on Accreditation in Physical Therapy Education Commission on Collegiate Nursing Education (CCNE)
The university is a member of appropriate state and national associations and organizations to which its professional programs are related. These include but are not limited to the following:

- Academy of Criminal Justice Sciences
- American Association of Colleges for Teacher Education
- American Association of Colleges of Nursing
- American Association of Higher Education
- American Association of State Colleges and Universities
- American Dance Festival Association
- American Council on Education
- American Society of Allied Health Professions
- Association for Continuing Higher Education
- Association of Governing Boards of Universities and Colleges
- Association for Theatre in Higher Education
- Carnegie Project on the Education Doctorate
- College Entrance Examination Board
- Conference of Southern Graduate Schools
- Cooperative Education Association
- Council of Graduate Schools in the United States
- Institute for International Education, Inc.
- International Council for Small Business
- Mathematics Association of America
- National Association of Student Financial Aid Administrators
- National Business Education Association
- National University Continuing Education Association
- North American Association of Summer Sessions
- North Carolina Academy of Science
- North Carolina Association of Colleges and Universities
- North Carolina Bar Association
- North Carolina Political Science Association
- Southeastern Theatre Conference
- Southern Atlantic States Association for Asian and African Studies
- Southern Regional Education Board
- Southern States Communication Association
- Speech Communication Association
- United States Distance Learning Association
- Institute for Theatre Technology
- Wilderness Education Association

Undergraduate Academic Programs Offered at WCU

A varied academic program is offered by the university's seven colleges. Through the Graduate School and the academic program colleges, the university offers graduate degree programs in numerous major areas leading to the master of accountancy, master of arts, master of arts in education, master of arts in teaching, master of business administration, master of entrepreneurship, master of health sciences, master of physical therapy, master of music, master of social work, master of project management, master of public affairs, master of school administration, master of science, master of science in nursing, education specialist in educational leadership, education specialist in school
psychology, master of fine art and the doctor of education. Complete information about the degrees listed above is available in the Graduate Catalog of The Record.

The six academic program colleges of the university offer programs leading to the bachelor of arts, bachelor of fine arts, bachelor of music, bachelor of science, bachelor of business administration, bachelor of science in education, bachelor of science in nursing, bachelor of science in social work, and bachelor of science in electrical engineering.

The College of Arts and Sciences. Bachelor of Arts with majors in anthropology, English, history, interdisciplinary studies, international studies, philosophy, political science, sociology, and Spanish.

Bachelor of Science with majors in anthropology, biology, chemistry, communication, computer science, criminal justice, emergency and disaster management, environmental science, forensic science, geology, history, interdisciplinary studies, mathematics, natural resources management, political science, and sociology.

The College of Business. Bachelor of Science in Business Administration with majors in accounting, business administration and law, computer information systems, innovation leadership, entrepreneurship, finance, management, marketing and sport management; Bachelor of Science in Hospitality Tourism Management; Bachelor of Science in Entrepreneurship.

The College of Education and Allied Professions. Bachelor of Science in Education with majors in elementary education, inclusive education, middle-grades education, and health and physical education.

In collaboration with the College of Arts and Sciences and the College of Fine and Performing Arts: Bachelor of Science in Education with majors in art, comprehensive science, English, mathematics, music, social sciences, and Spanish. Bachelor of Science with majors in birth-kindergarten, parks and recreation management, psychology, and special studies.

The College of Engineering and Technology. Bachelor of Science with majors in construction management, electrical engineering, engineering; Concentrations in mechanical, manufacturing and electrical power, electrical and computer engineering technology, engineering technology. Various minors and certificate programs are also offered in construction management and in engineering technology.

The College of Fine and Performing Arts. Bachelor of Arts with majors in art, music, stage and screen, and special studies. Bachelor of Fine Arts with majors in art, theatre, and motion picture and television production, and a concentration in art education. Bachelor of Music with music education, music performance and commercial and electronic music as concentration areas. Bachelor of Science in interior design.

The College of Health and Human Sciences. Bachelor of Science with majors in athletic training, communication sciences & disorders, emergency medical care,
environmental health, nutrition and dietetics, recreational therapy, and Bachelor of Science in nursing, and Bachelor of Social Work.

The Honors College. Western Carolina University's Honors College, founded in 1997, was the first residential honors college in North Carolina. The Honors College is a community of high-achieving students who participate in honors courses, special research with faculty, and social activities (planned by a student board). Open to all majors at WCU, the college accepts qualified new students (freshmen or transfers) and students already enrolled at Western. Accepted students are invited to live in the Honors residences (Balsam and Blue Ridge Halls). Completion of honors work leads to a special diploma from The Honors College. Additional information is available at http://honors.wcu.edu.

The Academic Calendar

Western Carolina University operates on an academic year of two semesters of fifteen weeks each. Additionally, a full array of programs and activities is offered during the summer term. Day classes are scheduled Monday through Friday. Night and Saturday classes, usually meeting once a week, are available in Cullowhee, Asheville, Cherokee, and various other locations. Commencement exercises are held at the end of the fall and spring semesters.

Undergraduate Study at Western Carolina University

Hunter Library

The Hunter Library provides high-quality information support services to students, staff and faculty as its primary mission. Librarians provide both individualized research assistance and classroom instruction. The library is open more than 96 hours per week during the regular fall and spring semesters. The library's vast digital resources are available online 24 hours a day, seven days a week. The collections and services that support student and faculty research include the following:

- Main book collection consisting of over 700,000 books and bound periodicals. This collection is augmented by a cooperative agreement with UNC Asheville and Appalachian State University using a shared online catalog and delivery service. Students can readily borrow items from these other libraries and generally receive them in two days or less. The combined collection is over two million volumes
- 200+ electronic databases and 45,000+ electronic journals that can be accessed remotely
- Free document delivery service that provides access to articles from approximately 25,000 journal titles that can be accessed remotely.
- Electronic reserves collection that can be accessed remotely.
- About 1,200 print journal subscriptions
• Free interlibrary loan service for all students and faculty
• Microfiche collection of 1.5 million pieces
• Government Documents providing access to selected number of online and print documents representing both the Federal and the North Carolina governments
• Special Collections, containing manuscript collections, books, photographs and other resources documenting the history of western North Carolina and southern Appalachia, the history of the Cherokee Indians, and literary works and papers of western North Carolina authors
• The Map Room collection, containing more than 122,000 sheet maps and an extensive collection of digital mapping data with Geographic Information Systems (GIS) technology to support it
• Media Collection, containing an extensive collection of CDs, videotapes, DVDs and other media in its Curriculum Materials Center (CMC)
• Curriculum Materials, maintaining collections of state-adopted textbooks, curriculum guides, children's literature, and other classroom instructional materials in support of the university's professional education programs

Service and Research Centers

Faculty members and students participate in a wide range of service and research activity. The university's service centers add impetus to the programs of the colleges and departments and provide significant assistance to the region in which the university is located.

Accessibility Resources. It is the mission of the Office of Accessibility Resources (OAR) to remove barriers and ensure equal access for all qualified students with disabilities. We accomplish this mission by providing accommodations and related support services for students with documented disabilities. Accommodations are provided when deemed necessary and reasonable for a particular student and are determined on a case-by-case basis through an interactive process between the student and OAR. Accommodations may include, but are not limited to, testing accommodations, note-taking accommodations, alternate format texts and materials, assistive technology, and communications assistance (such as sign-language interpreters or CART services). It is the student's responsibility to disclose his/her disability, to request academic or physical accommodations, and to provide documentation. The request can be made at any time; however, some accommodations may take time to put in place, so it is best to make the request as early as possible in the semester. OAR also provides coaching, self-advocacy training, awareness events/activities, training for faculty and staff, and accessibility monitoring. For more information, contact Ms. Wesley J. Satterwhite, Director, 828-227-3886. accessibility@wcu.edu.

Center for Career and Professional Development. The Center for Career and Professional Development encompasses resources and services that support students' self-assessment, career exploration, and pursuit of experiential and post-graduate opportunities.
Activities/services include the following:

- On-campus student employment
- JobCat and other accessible job listing programs
- Individual conferences with career counselors
- Vocational and interest testing
- Internship program assistance
- Resume and cover-letter critiquing service
- An on-line mock interview program
- Career events

The Center for Career and Professional Development is in the Reid Building Room 150. For more information, visit http://careers.wcu.edu.

**Center for Rapid Product Realization.** The mission of the Center for Rapid Product Realization is to match the College of Engineering and Technology's resources of laboratories, faculty and students with the manufacturing and business needs of western North Carolina. The goal of this engagement is to grow and transform the region's economy, enhance student learning through real-world project experiences, and improve the quality of life. The Rapid Center has special expertise in four areas: rapid prototyping, advanced manufacturing, intelligent sensors, and optoelectronics. The Center in collaboration with the Small Business and Technology Development Center (SBTDC), and the Center for Entrepreneurship and Innovation serves as the US Economic Development Administration (EDA) university center for North Carolina. Faculty/student projects, particularly the two-semester senior capstone projects, are one of the principal avenues for interacting with the western North Carolina community. Projects have included improvements to wheelchairs, sensors to help persons with dementia, new products for the Christmas-tree industry, rehabilitation devices for children and the elderly, and devices to help men and women of the US. Army and Navy Special Forces. Commercialization of technology is the central theme of these regional and statewide initiatives. To learn more about the student/faculty projects and how to become involved with the Rapid Center, visit http://rapid.wcu.edu.

**Center for Service Learning.** The Center for Service Learning helps WCU students, faculty, and staff find service opportunities in the region. The office plans and promotes volunteer opportunities, facilitates course-based service learning projects, and tracks and recognizes student engagement in service through the Lily Community Engagement Award program. Service opportunities are available at over 130 community agencies and include many types of projects. Through service learning, students can improve their understanding of course content, meet community needs, develop career-related skills, and become responsible citizens. Each year, ECU offers nearly 100 courses with service learning components, spread across every college and school of the university.

**Department of Veterans Affairs (VA) Educational Benefits.** Western Carolina University is approved under the provisions of Title 38 United States Code, Chapter 36, to receive and process VA education benefits. Persons eligible and entitled under provisions of Chapters 30, 31, 33, 35 and Sections 901 and 903, and Title 10 United
States Code, Chapters 1606 and 1607 may enroll in programs approved by the North Carolina State Approving Agency. All inquiries concerning Veterans Affairs educational benefits should be addressed to the VA Certifying Official, Military Student Services, 138 Camp Building, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-3022/2135.

**Highlands Biological Station.** The Highlands Biological Station (HBS) is a field station for biological research and education focused on southern Appalachian ecosystems and organisms. Founded in 1927, HBS has been an Inter-Institutional Center of the University of North Carolina since 1976. Western Carolina University has served as the administrative campus for HBS since 1981. Twenty regional colleges and universities also participate in the Station's programs as member institutions.

HBS is located on the Blue Ridge Escarpment about 30 miles south of Cullowhee in the town of Highlands, North Carolina. The topography, latitude, and high rainfall of the area combine to yield extremely rich biotic and environmental diversity, making HBS an ideal locale for field studies in environmental biology, conservation, aquatic ecology, population biology, community and ecosystem ecology, and systematics. Its facilities are open to students and senior investigators engaged in research on the organisms and environments of the southern Appalachian region. Station facilities include housing (40 beds in several residences), a self-service dining hall, well-equipped research space, and teaching classrooms and laboratories. The 23-acre campus also includes the WPA-built Highlands Nature Center, which offers educational exhibits, K-12 outreach, and a wide variety of public programs, and the 12-acre Highlands Botanical Garden, which features hundreds of native plant species in a variety of southern Appalachian habitats. Both the Nature Center and Botanical Garden are free and open to the public.

Each summer HBS offers a series of one-to-two-week courses and workshops, taught at the advanced undergraduate and introductory graduate levels, as well as short courses and workshops for general audiences. Academic credit through WCU or UNC-Chapel Hill is available for most courses and workshops. Limited financial aid is available for courses, and a research Grant-in-Aid program also provides financial assistance to graduate students conducting thesis research at HBS. Since 2001 the Station has hosted a fall semester-in-residence undergraduate program in environmental biology in cooperation with the Institute for the Environment at UNC-Chapel Hill. WCU students majoring in biology or environmental sciences are encouraged to apply to this unique program.

To learn more about the programs, courses, and research opportunities at the Highlands Biological Station, or to visit see the HBS website (http://highlandsbiological.org/) or contact Dr. James T. Costa, Executive Director, Highlands Biological Station, 265 N. Sixth Street, Highlands, NC 28741; 828-526-2602; costa@email.wcu.edu.

**Information Technology.** The Division of Information Technology is responsible for providing technology assistance, information and services in support of Western's mission and aspirations. These services include providing information resources to students, faculty, and staff to support teaching, learning, research, administrative and regional engagement efforts. Information Technology provides advice, planning and
technical guidance for the appropriate use of technology in support of the university's educational endeavors. Information Technology is located in various campus buildings with assistance available at many of WCU's facilities beyond the Cullowhee campus. The university is an active member of EDUCAUSE, a nonprofit association whose mission is to advance higher education by promoting the intelligent use of information technology. The university is also a member of Internet2, a software and networking consortium led by members from the research and education communities, industry, and government.

Information Technology has over 80 staff and is comprised of the following units: The Office of the Chief Information Officer, Academic Engagement and IT Governance, Chief Technologist and IT Security Office, Coulter Faculty Commons, IT Applications and Systems, IT Project Management Office, Instructional Technology and Desktop Services, and Networking and Communications.

The university uses a state-of-the-art administrative system that allows students and faculty to do virtually all of their business with the university, such as register for courses or post grades, online. All students receive a WCU email account that allows them to communicate with their peers, faculty members, and university offices. The myWCU portal is the primary tool used by students to access email and other campus and course-related information. Blackboard Learn is the primary instructional delivery system in support of traditional classroom and online courses.

There are over 5,000 WCU-owned computers and mobile devices in offices, classrooms, and lab facilities, all with connections to high-speed broadband networks. Students enjoy high-speed network connectivity from their residence hall rooms or from the EDUROAM wireless network available throughout the Cullowhee campus. The Technology Commons, our IT walk-up location, which boasts a multitude of services, is located on the ground floor of Hunter Library. Their hours can be found at tc.wcu.edu, but the Technology Commons is always open 24 hours during the last two weeks of the fall and spring semesters. Users may call the Information Technology Help Desk locally at 227-7487 or toll free at 866-928-7487, email ithelp@wcu.edu, or visit the Online Help Desk/Self-Service page located at: help.wcu.edu for assistance with any Information Technology service or resource. Faculty routinely work with the Coulter Faculty Commons to integrate technology into their teaching activities.

Information Technology supports both Windows and Apple operating systems along with various software applications including a focus on Microsoft Office products. Office products are provided for faculty, staff, and students along with upgrades for the Windows operating system for university and personal computers. Information Technology also provides computer virus protection software to all students, faculty, and staff and is committed to keeping computers safe, secure, and current in a highly-networked campus computing environment. Many software packages are centrally licensed with a limited number of licenses available in labs and classrooms, but they can also be accessed anytime/anywhere through our VCAT service. Visit vcat.wcu.edu for more information. Statistical packages and other specialized software, including digital media editing, geographical information systems, and engineering design programs, can be found in collaborative labs and classrooms.
IT Video Services provides consultation and technical support for campus video needs, including audio/video production, streaming, live event support and video conferencing services through the North Carolina Research and Education Network (NCREN). The Division of Information Technology (DoIT) web site at http://doit.wcu.edu provides a variety of useful technology information and self-help resources, as well as links for downloading software for personally-owned computers and accessing computer purchasing information.

**International Programs and Services.** The Office of International Programs and Services (IPS) provides leadership and advocacy for international programs and activities on campus and coordinates the resources necessary to sustain their growth. IPS is the hub of international activities at WCU. IPS works with faculty, staff, and students on campus, in western North Carolina, and throughout the world to accomplish the following:

- Help develop WCU students into global citizens
- Manage WCU’s study abroad programs
- Develop and facilitate international engagement and partnerships
- Support international teaching and learning -- for example, though faculty-led study abroad programs, and the Global Learning Academy
- Recruit and enroll international students
- Provide immigration services and transitional support for international students and scholars
- Provide English language training to international students
- Increase cross-cultural understanding through outreach programs such as K-12 outreach

**Mentoring and Persistence to Success (MAPS)** (http://www.wcu.edu/learn/academic-success/maps/) is a comprehensive academic-support program which assists eligible students in choosing and working toward their academic, career, and personal goals with programs tailored to meet individual needs. Services include academic advising, career and personal coaching, and mentoring. Students may qualify for all free services if they meet one of the following criteria: They are first generation college students OR are independent status OR meet US. Department of Education income guidelines. MAPS also coordinates freshman and early-start and transition programs including the Academic Success Program (ASP), Catamount Gap, Catamount Gap Abroad, and STEM Enrichment.

**Mountain Heritage Center.** The center collects, interprets, and disseminates knowledge about the southern Appalachian region and its people. Its research and artifact collections promote public awareness of the region's rich natural and cultural heritage using publications, exhibitions, and demonstrations presented both on campus and throughout western North Carolina. The center also collaborates with public schools in preparing programs for educational enrichment and provides a learning experience for university students through internships.
Myron L. Coulter Faculty Commons for Excellence in Teaching and Learning. The Coulter Faculty Commons, founded in 1988, provides comprehensive support for all part and full-time faculty and Graduate Teaching Assistants in teaching, learning, research, and engagement. Located in Hunter Library, the CFC's mission includes the enhancement of student learning, the facilitation of effectiveness in instructional technology, the planning and implementation of events/ professional development opportunities, and the support of faculty research. Graduate students and faculty who participate in CFC activities can document their participation and collaboration with the CFC to show evidence of professional development in teaching and learning. For more information, visit the CFC website at http://www.wcu.edu/learn/faculty/coulter-faculty-commons/

Activities and services include the following:

- One-on-one consultation and workshop opportunities on course design, syllabi, learning objectives, active learning, and effective teaching and learning strategies
- One-on-one consultation and workshop opportunities for research design, methodology, and assessment, particularly for research in the scholarship of teaching and learning
- One-on-one consultations and workshop opportunities focused on using lecture-capture software and other digital media tools in teaching
- Monthly newsletters with news, opportunities, and best practices in teaching and learning
- Training opportunities for using the LMS (Learning Management System) for instruction
- Support for the use of research software, including ArcGIS, Qualtrics (a survey tool), SPSS, SAS, and STATA.
- Support for research across the Boyer model, including the Scholarship of Teaching and Learning
- The Coulter Faculty Commons can be reached at 828-227-7196.

New Student Orientation. To make the transition to college life easier, Western offers orientation programs for new students and their families. Students attending orientation have a chance to meet other new students, talk to their professional academic advisor, and register for their classes. Orientation is the time for students and family members to become familiar with the academic demands of the university, to meet the faculty, and to learn more about the concerns that accompany campus life. For more information, call 828-227-7735.

School-University Teacher Education Partnership (SUTEP). SUTEP, housed in the College of Education and Allied Professions, partners with more than 100 schools in the 18 western North Carolina school systems. These partnerships are designed to enrich school-university relationships, strengthen teacher preparation, and provide professional development for teachers and school administrators.
Southern Appalachian Biodiversity and Ecology center (SABEC). Faculty and students in Biology and Natural Resources Conservation and Management collaborate with Highlands Biological Station, regional groups, and public schools in education, research, and outreach focused on ecology and biotic diversity in the mountain ecosystems of western North Carolina and surrounding areas.

Speech and Hearing Clinic. The Speech and Hearing Clinic's (SHC) fundamental mission is to provide quality clinical education for undergraduate and graduate students majoring in the discipline of communication disorders. As a critical adjunct, the SHC provides diagnostic, treatment, and consultative services to citizens of western North Carolina with known or suspected speech, language, and/or hearing disorders. The SHC also strives to serve as a community resource for allied professionals and agencies requiring information about human communication and communication disorders. The clinic derives its strength from a combined academic/clinical orientation that directly fosters the delivery of state-of-the-art services. The SHC's services are available to people of all ages. In addition to traditional speech/language/hearing services, the SHC offers the following:

- Hearing aid evaluation and dispensing
- Otoacoustic emission testing
- Augmentative communication evaluation
- Interdisciplinary evaluation
- Assistive technology consultation and training
- Education on various topics related to communication disorders

The Small Business and Technology Development Center at Western Carolina University (SBTDC at WCU). The SBTDC center at WCU is staffed by four dedicated business professionals who provide comprehensive business counseling for small-to-medium-sized companies. These counselors serve the 14 western counties of North Carolina through two convenient locations on campus at Western Carolina University in Cullowhee and in downtown Asheville.

Most business owners or their executives come to the SBTDC initially for confidential counseling to assess their business and develop a plan to make their business better. Together, the counselor and company select tools to implement that plan -- financial analysis, market studies, focus groups, strategic needs assessments, government procurement assistance, and/or strategic planning retreats, to name a few. If funding is a need, the SBTDC provides hands-on assistance with loan package preparation and approaches to other capital sources (including angel investors). For companies involved in scientific research & product development, our team assists with federal Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grant proposals.

As a program of the university system, the SBTDC strives to leverage the assets of WCU to benefit businesses in the region. Each year, in partnership with professors from the College of Business, well over 250 students from WCU participate in applied learning
projects designed to assist companies with improvement and growth. These projects provide a hands-on learning experience for students and much needed resources for businesses. Finally, the Center administers a summer internship program for rising seniors at WCU who work with a small business in the region for eight weeks over the course of the summer. Students apply for specific positions with companies that have expressed interest in hosting an intern.

For more information, visit the SBTDC at WCU Center page at http://www.sbtdc.org/offices/wcu/.

**Academic Advising Center**

The Advising Center works with all newly admitted students in academic advising, course scheduling, and selection of major. Upon declaration of major, students are advised in their academic department; however, their academic advisor in the Advising Center will continue to work with them in areas of university policy and personal academic advising and will continue to offer assistance for students facing academic difficulty. The Academic Advising Center is a unit within the Division of Student Success and works closely with other units such as Center for Career and Professional Development, Office of Student Transitions, Office of Accessibility Resources, Writing and Learning Commons, Math Tutoring Center, Mentoring and Persistence to Success Office, and Center for Service Learning. In addition to connecting students to various campus offices, the Advising Center completes course registration for all new incoming students in their first semester. The Advising Center staff is heavily involved with Academic Action, outreach to surrounding community colleges, populating Learning Communities, enrolling students in and teaching a Learning Contract course, and assisting with the evaluation of Liberal Studies courses.

**Tutoring Services**

**The Writing and Learning Commons (WaLC)** provides tutoring and academic support services to help students develop the skills, knowledge, and confidence they need to achieve academic excellence. Services include course tutoring, writing tutoring, academic skills consultations, international student consultations, and online writing resources.

Writing tutors collaborate with students from all classes and majors at every stage of the writing process, from brainstorming and prewriting to drafting and revising. Course tutors facilitate collaborative sessions and offer strategies for effective study. Academic skills consultants conduct in-class workshops and one-on-one consultations focused on improving students' reading, note taking, time management, test preparation, and test taking skills. Visit http://tutoring.wcu.edu or call 828-227-2274 to schedule appointments.

Tutoring services are available during fall, spring, and summer terms and are offered to enrolled students without charge. All consultations and tutoring sessions take place in the WaLC or in designated classrooms on campus.
Distance students and students taking classes at Biltmore Park are encouraged to use Brainfuse, an online tutoring service provided by The Division of Educational Outreach. For more information about Brainfuse, visit http://onlinetutoring.wcu.edu.

**The Mathematics Tutoring Center (MTC)** in Stillwell 455 provides drop-in tutoring for math courses and math-related content across the curriculum. Call 828-227-3830 for more information.

**Educational Outreach**

Through the Division of Educational Outreach, the teaching resources of the university are made available to the residents of the region and the state. The division promotes and coordinates noncredit and off-site credit courses and programs, supports military students (residential and distance), manages distance learning student support, operates a testing center, and supports academic departments in non-credit offerings and conferences, camps and other events. Many workshops, institutes, conferences, seminars, and short courses are available for Continuing Education Unit (CEU) credit.

**Distance Learning.** Division of Educational Outreach collaborates with the academic colleges, Information Technology, university student service units, community colleges and businesses to provide support to distance learners. Distance Learning Student Services supports students by assisting with application and admission processes, providing online tutoring, supporting students through electronic and personal contact; supports distance faculty where appropriate; and provides data for distance learning decisions. Distance learning extends the boundaries of the university by using a variety of telecommunications technologies in the online and off-campus delivery of UNC approved distance programs. On occasion, students may meet in a regular classroom setting or on Saturdays for clinical activities at distant instructional sites. Distance learners may be required to attend an orientation on the campus of Western Carolina University or at an outreach site.

**Cordelia Camp Building.** The division manages a conference and training center, which is equipped with classrooms, computer labs, and interactive video facilities. The center serves businesses, agencies, and schools in Western North Carolina with continuing professional education workshops and retreats.

**Camps and Conferences.** The division provides support for educational conferences, camps and special events and is the facilitator of faculty led conferences on campus. Several annual conferences are held each year on campus with expert faculty from Western Carolina University and from throughout the U.S. Experienced staff can help develop budgets; assist in program planning; secure appropriate facilities; arrange for lodging, meals, banquets, and tours; provide brochure design, printing, and mailing service; handle registrations; and manage financial details. Depending on the university calendar and preference of the sponsors, conference participants may be housed in campus facilities or off-campus commercial settings.
Professional Growth and Enrichment. With the rapid explosion of new knowledge and technologies, up-to-date information is vital for today's professional. A range of opportunities, both online and face-to-face, is available for continued learning in many fields. There are non-credit opportunities for recertification or certification in a variety of fields including nursing, project management, and drug and alcohol. Programs can be tailored to meet specific organizational needs and to assist in corporate training efforts at any site.

Military Student Service-Educational Outreach houses military student services including the certification office for military-affiliated funding for active duty, veterans, spouses and dependents. The Office acts as a one-stop for all things military from recruitment to graduation. The Office advocates for military students and educates the campus as to the special circumstances of military students. Additionally, the Office supports the Student Veterans Association.

Testing Center. The Continuing Education Testing Center oversees administrations of a variety of tests. Testing includes TEAS, SAT, CLEP, DSST and MAT and other national exams. The Center also serves as a testing site for a variety of high-stakes/professional exams and is an approved site for proctored testing for distance learners through UNC-Online Proctoring Network and the National College Testing Association. Western Carolina University distance students must also test at a testing center approved by one of these two organizations. Each test will have specific requirements for registration. For a list of all testing and requirements, visit the website http://testing.wcu.edu.

Online students. The Center also serves distance students from other universities. The Center provides testing for a variety of professional testing. Students should consult with faculty about proctored testing requirements.

Summer Sessions. A full summer academic program at the graduate and undergraduate levels is offered in Cullowhee, Asheville and online. Special short courses, workshops, and institutes many subjects are available at these locations and in Cherokee. Visit the website at http://summer.wcu.edu for more information.

The University Experience Course. The University Experience course introduces students to the online learning environment using WCU Blackboard. The course focuses on online student services, helps students develop specific skills necessary for success in an online course, and creates a community of learners. The course was developed to serve students enrolled in distance learning programs or students enrolled in special offerings delivered in partnership with the Division of Educational Outreach.

Western Carolina University Cherokee Center. The Western Carolina University Center in Cherokee was established in 1975 in cooperation with the tribal government of the Eastern Band of the Cherokee Indians. The Cherokee Center and its staff serve as the collaborative hub between the Eastern Band of Cherokee Indians and Western Carolina University. The center offers pre-admissions counseling, academic advisement, financial aid assistance, and study-skills development services in addition to courses leading toward academic degrees and non-credit courses. The center also serves as a support
system for the Native American Student Organization and the EBCI Western Alumni Club. The center serves Cherokee and the surrounding communities and is available to all the people of the region and serves anyone interested in attending any college or post-secondary institution. The office for the Cherokee Center is located on 1594 Acquoni Road, next to the Cherokee Youth Center. The Center operates Monday thru Friday 8 am - 5 pm. Contact the Center by phone at 828-497-7920.

**Western Carolina University at Biltmore Park.** WCU hosts a large instructional site in Asheville which offers a rich mix of undergraduate and graduate degree programs. Most are programs designed for working professionals looking to complete their degrees while continuing their careers. At WCU Biltmore Park, the University offers two doctoral programs in Education and Nursing, and 10 master's programs which include degrees in accounting, business, counseling, English, nursing, public affairs, social work, and technology. Additionally, WCU offers three baccalaureate completion programs in engineering, hospitality and tourism and nursing.

WCU's instructional site in Asheville is located at 28 Scheck Parkway, halfway between downtown Asheville and Hendersonville at Biltmore Park Town Square. More information can be found at https://biltmorepark.wcu.edu or at 828-654-6498.

**Other Offices and Services**

**Office of Institutional Planning and Effectiveness.** The Office of Institutional Planning and Effectiveness (OIPE) is responsible for coordinating the university's institutional research, strategic planning, accreditation, and assessment activities. OIPE is responsible for the university's state and federal reporting obligations, assists university departments with surveys, and provides university statistical information requested by other agencies. Visit the OIPE website at http://www.wcu.edu/learn/office-of-the-provost/oipe/.

**Office of National and International Awards (ONIA).** The Office of National and International Awards (ONIA) is the quintessential resource at Western Carolina University for providing qualifying students with the knowledge and skills necessary to apply for and win competitive national and international awards. ONIA coordinates the institution's support of students who wish to apply for competitive national and international awards, such as the Fulbright, Goldwater, Marshall, Truman, or Rhodes. Please note that ONIA does not coordinate WCU financial aid, scholarships, or graduate fellowships. For information on how to apply for external competitive awards at WCU, please contact the Director, Dr. Brian Railsback, at brailsba@wcu.email.edu or call 828-227-3933.

**Chancellor's Division/Chief of Staff**

The chancellor's division includes units that deal strategically with internal controls, compliance, and external messaging and outreach. Reporting to the chancellor are the general counsel with responsibility for legal services and compliance, the chief audit officer with responsibility for internal audit and risk management, and the chief of staff with responsibility for external affairs.
Office of the Chief of Staff (External Affairs)

The chief of staff to the chancellor also serves as the university's primary external affairs officer, providing strategic direction and vision to the university's communication and outreach to external constituents such as governing boards, system officials and staff, elected and appointed officials, media, and prospective students and their influencers. Functions reporting to the chief of staff include communications, public relations, government relations, special events, and university marketing.

Communications and Public Relations. The Office of Communications and Public Relations, which includes the university's news, media relations, photography, and videography functions, is led by the chief communications officer. The office includes University News Services and Photography and Video Services. The office is the official liaison between the university and all news media, is responsible for photography and video used to promote the university, produces the university magazine and faculty-staff newsletter, issues press releases and answers media inquiries, and maintains news content and other messaging on the university's website.

External/Government Relations. The Office of External Relations is led by the university's official liaison with elected and appointed officials from the municipal to the federal levels. The office pursues federal funding for WCU through congressional appropriations mechanisms and state funding through the University of North Carolina system's established budget priorities process. In addition, the office serves as university liaison to important economic development entities within the local community and the greater western North Carolina region, including chambers of commerce and regional economic development organizations.

Special Events. The Office of Special Events is led by the director of special events and is responsible for the strategic direction, planning, and implementation of top-level, university-wide special events on behalf of the chancellor and the chief of staff, both on campus and off. The special events team also serves as advisors to the Chancellor's Ambassador student organization providing leadership and event support for functions held by the chancellor and senior leadership. The team members also serve as event consultants for departments across campus.

University Marketing. The Office of University Marketing, led by the chief marketing officer, includes the university's marketing, design, brand management, web and social media functions as well as the WCU Print Shop. The office is responsible for the management of the university paid-media plan, design for the university magazine, all recruitment collateral and advertising, web design and content management for the university's external website, environmental design, signage and sponsorships, and oversight of all institutional social media platforms and channels.

Office of Legal Counsel and Compliance

The Office of Legal Counsel and Compliance is led by the general counsel. General counsel and other legal staff provides legal advice to the Board of Trustees, the chancellor, the administration, the faculty, and staff on legal matters involving or
affecting the institution; advises the university administration on a broad range of initiatives, policy matters, and issues; and serves as a liaison between the university and its related and affiliated entities on legal issues. In addition, the chief compliance officer is responsible for compliance functions, which support administration, faculty, and staff in mutual effort to maintain compliance with all rules and regulations applicable to WCU.

**Office of Internal Audit**

The Office of Internal Audit is led by the chief audit officer and provides independent, objective assurance and consulting activity designed to add value and improve the university's operations. The office's primary goal is to help the university accomplish its objectives by bringing a systematic, disciplined approach to evaluating and improving the effectiveness of risk management, control, and governance processes.

**North Carolina Center for the Advancement of Teaching**

The North Carolina Center for the Advancement of Teaching (NCCAT) was established by the General Assembly of North Carolina in 1985 as a statewide center to recognize and support outstanding North Carolina pre-kindergarten through twelfth-grade public school teachers and to enhance teaching as an art and profession. Its ultimate goal is to retain of high-quality teachers in the classroom. A center of The University of North Carolina, NCCAT is governed by a board of trustees, and its programs and activities are conducted by a professional staff of faculty and administrators.

**Student Life and Services**

Services are provided at Western Carolina University to further each student's academic and social development. The Division of Student Affairs has general responsibility in this area, and its functions include providing comfortable housing, offering counseling services and health care, and enhancing the college environment with recreational and leadership activities. The Division's website is available at http://www.wcu.edu/experience/dean-of-students/About.asp.

**Residential Living**

The university's residence halls are an integral part of campus life, offering a variety of experiences that contribute to intellectual, personal, and social development. The residence halls are staffed by Area Coordinators and professionals responsible for both the residential community as well as each student's personal growth and development.

The residence halls are open to all students, undergraduate and graduate, to the extent available. Freshmen and some transfer students are required to live on campus. This requirement may be waived if the student is married or lives with parents in a county contiguous to Jackson County. For full details regarding the residency requirement, please read University Policy #96 at http://www.wcu.edu/discover/leadership/office-of-
A variety of accommodations are available including private and double rooms, suite-style buildings, and graduate housing. Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones. (A list of suggested items to bring can be found on the Residential Living website.) Cable television is provided in student rooms and in designated public areas. Other amenities include vending machines, washers, and dryers. Mail service is provided to all residential students at the Student Mail Center located in the University Center. Mailing addresses are assigned by the Department of Residential Living and are provided when students receive housing assignments.

Please visit http://housing.wcu.edu to learn much more about Residential Living and life in the residence halls at Western Carolina University.

**Off-Campus Housing** Students who are eligible under University Policy #96 to live off-campus and choose to do so are responsible for making those arrangements and for meeting the associated obligations. While the University does not endorse any off-campus housing, an on-line service is available to help University community members explore off-campus options: http://offcampushousing.wcu.edu/.

**Dining Services**

Please review the Dining Services website at http://wcudining.wcu.edu for comprehensive information about eating on campus.

Food service may not be provided when dining locations are closed during holidays and other periods when the university is not in session.

Students living in university residence halls are required to purchase a campus meal plan each semester. Participation in a food-service plan is optional for commuting students. Special dietary requirements are accommodated by contacting WCU Dining at 227-7396.

**Student Activities and Services**

A variety of programs, activities, and services are available on campus. Students are encouraged to participate in activities outside of the classroom to enhance and broaden their academic pursuits. The student activity fee, which keeps participation for students at no or low cost, supports many of these activities and services.

**Athletics.** Western Carolina University is a NCAA Division I institution with membership in the Southern Conference. With over 300 student athletes competing in 16 sports, WCU students have many opportunities to support their Catamounts. The mandatory Athletic Fee provides support for WCU Athletics, so students have free tickets
to all Athletic events. More information about Catamount Athletics is available on the official website: http://www.catamountsports.com/.

**Base Camp Cullowhee.** Located in Brown Hall, Base Camp Cullowhee (BCC) is the outdoor program of WCU. BCC provides outdoor trips and skills clinics to help students experience adventure in the great outdoors, learn new outdoor activities, challenge themselves to do more than they ever thought was possible, grow as people and leaders, connect with other people and friends, and explore their surroundings in wild western North Carolina. BCC also manages the Base Camp Climbing wall, a 50-foot-tall indoor climbing wall located in the Campus Recreation Center, and offers the campus community a rental program for outdoor equipment such as tents, sleeping bags, whitewater gear, and more. Many classes, clubs, and organizations take advantage of BCC's teambuilding services to provide their group with unique training to reach their goals. For more detailed information, visit the BCC website: http://basecamp.wcu.edu.

**Campus Recreation and Wellness.** Campus Recreation and Wellness (CRW) is housed in the Campus Recreation Center and works to create a campus-wide culture of wellness by providing programs, services, and facilities for individuals to engage and sustain the active process of healthy living. CRW is home to club sports, the group exercise program, intramurals, and the outdoor program Base Camp Cullowhee. Please visit the CRW website for more information: http://reccenter.wcu.edu.

**Center for Leadership.** Located on the third floor of the A.K. Hinds University Center, the Office of Leadership and Student Involvement is committed to providing students with opportunities to continually enhance leadership skills and interests.

Through the Center's curricular and co-curricular programs, WCU students develop exposed to a variety of leadership skills they will carry with them throughout their lives. Students will experience advanced leadership opportunities and gain skills they can use in their daily lives or within their personal/professional leadership positions.

Through such student clubs and organizations as the Leadership Institute, Greek Life, and the Student Government Association, or through programs such as the Freshman Leadership Institute, the Whee LEAD Conference, CatCamp, CATalyst, or any one of the LEAD Living-Learning Communities (LLC's), students learn how to make a positive impact on campus and in the greater community.

In addition, the Office of Leadership and Student Involvement is home to over 30 leadership development courses (LEAD) and the Leadership minor. WCU is one of a select few colleges or universities that offer a minor in Leadership. The Leadership minor consists of a total of 18 credit hours (9 credit hour of elective courses and 9 required credit hours).

Counseling and Psychological Services. Provides free and confidential short-term counseling and emergency services for students. Other services include support groups, consultations, psychiatric medication assessments, referrals, and outreach presentations and programs. Please refer to our website at http://www.wcu.edu/experience/health-and-wellness/counseling-psychological-services-cps/ for further information on our services, staff, and mental health resources. Initial appointments can be made in person (Bird Bldg. 2nd floor) or by phone (828-227-7469). Please refer to our website for a list of our weekly groups, outreach presentation topics, and biofeedback services.

Department of Campus Activities: Located in the University Center, the Department of Campus Activities is the place for students to study or hang out with friends, attend movies and events, and explore new ideas and activities. The Campus Activities team plans concerts, trips, arts and cultural events, and more to educate and entertain students. Student organizations including the Student Government Association and the event planning board, Last Minute Productions, are housed within Campus Activities. Leadership opportunities such as the Freshmen Leadership Institute are also offered. For more information, visit http://dca.wcu.edu.

Greek Student Engagement and Development. Located in the University Center, Greek Student Engagement and Development (GSED) supports 22 fraternities and sororities represented by the College Panhellenic Council, Interfraternity Council and the National Pan-Hellenic Council. Membership in a fraternity or sorority can greatly enhance students’ collegiate experiences, and help them cultivate positive connections, social growth, intellectual development, and values-driven decision-making. For more information, visit http://gogreek.wcu.edu.

Health Services. Health Services works to meet the healthcare needs of the WCU campus community. The staff includes physicians, physicians' assistants, licensed practical nurses, registered nurses, and a laboratory technician. Health Services also supports the student-run ambulance service that allows for on-campus coverage for emergencies. Specialty services offered include a women's health clinic, allergy and immunization clinic, and some limited pharmacy services. For more information, visit http://studenthealth.wcu.edu.

Intercultural Affairs. Intercultural Affairs (ICA) works with all members of the University to provide a campus environment where students from different backgrounds and culture groups feel appreciated, respected, and valued. Through educational, social, and leadership programs, ICA promotes inclusive values of social justice and human dignity, while preparing students to thrive in a diverse and interconnected world. For more information, visit: http://ica.wcu.edu

Ramsey Regional Activity Center. Western North Carolina's most versatile entertainment complex, the Liston B. Ramsey Regional Activity Center provides quality programming for the entire community. The 8,000-seat arena hosts major concerts, national touring acts, commencement and Catamount basketball and volleyball. Student tickets to major events are often available at a discount. For more information, visit http://www.wcu.edu/ramsey/.
Student Government. The Student Government Association (SGA) is an active, vital part of the university community. Each student has the right to vote in all student elections and may participate in SGA by running for office or by applying for an appointed position. The SGA appoints voting members to various University committees, and the president of SGA is a member of the University's Board of Trustees. Visit the SGA website at http://sga.wcu.edu for more information.

WCU Community Creed and the Code of Student Conduct

The Department of Student Community Ethics (DSCE) works with the University community to educate students about their rights and responsibilities as stated in the Western Carolina Creed, the Student Handbook and the Code of Student Conduct. DSCE works to help students and organizations comply with University living and learning expectations and become more responsible members of the Western Carolina University Community. DSCE also collaborates with academic leaders and public safety officials to help keep our campus community safe and welcoming to everyone. The DSCE facilitates education about the Western Carolina University Community Creed:

Western Carolina University Community Creed

_Creed: a system of beliefs, principles, and aspirations_

- I will live by high standards of academic and personal integrity.
- I will embrace my responsibilities as a member of this community.
- I will respect the rights and well-being of others.
- I will value diversity, inclusive excellences, and individual differences.
- I will engage myself in the artistic cultural and academic life of my University.
- I will celebrate and express pride in Western Carolina University.

The WCU Community Creed also serves as the basis for the Code of Student Conduct. All students are held accountable to the principles expressed in the Community Creed and the standards for behavior found in the Code.

The DSCE website is found at http://dsce.wcu.edu and includes important information about the Community Creed, alcohol and drug education, as well as student rights and responsibilities under the WCU Code of Student Conduct.

Campus Safety Report and Emergency Preparedness

Western Carolina University Police work to keep the campus community safe and help prepare the campus for emergencies. An annual safety report is posted online at http://www.wcu.edu/discover/campus-services-and-operations/university-police/ in compliance with the Jeanne Clery Crime Statistics Act (formerly the Campus Security Act). A link to an Emergency Information website is included at the bottom of all WCU web pages or can be opened at http://emergency.wcu.edu/ for details on campus preparedness and emergency notification systems. All students, faculty and staff are encouraged to carefully review this information.
The University Police department is responsible for providing law enforcement, criminal investigation, and protective services on campus. University Police officers are certified by the NC Criminal Justice Training and Standards Commission and meet all standards set by the Attorney General for law enforcement officers in this state.

All crimes that occur on the campus of WCU should be reported to the University Police Department. Emergencies should be reported by dialing 8901 or 911 from a University telephone or by dialing 828-227-8911 from your cellular telephone; non-emergencies may also be reported by dialing 828-227-7301. Crimes may be reported by visiting the University Police Department, located in the Camp Building Annex, or by contacting an officer on patrol. Officers may also be summoned for emergencies by activating any of the emergency blue-light callboxes placed at various locations throughout campus. Information regarding crime reports, statistics, and prevention programs is available at the University Police department and on their website at http://police.wcu.edu.

The Parking and Transportation Department is responsible for the administration of WCU’s parking system, vehicle registration, and traffic and parking regulations enforcement. State statutes provide that campus traffic and parking regulations have the full-authority of law, and violators may be subject to the penalties prescribed by such law.

Everyone parking a vehicle on campus must register that vehicle with the Parking Services Office and display a current decal on that vehicle. Parking and traffic regulations literature is made available in the Parking Services Office, located in the Cordelia Camp Building. These same regulations are made available online at http://www.wcu.edu/discover/campus-services-and-operations/university-police/parking-services/parking-traffic-regulations/.

The Parking, Traffic, and Safety Committee, composed of students, faculty, and staff, functions as an appellate board for faculty and staff members wishing to contest parking citations. Appeals concerning student violations are heard by a similar SGA appellate committee. The faculty and staff parking citation appeal form is available online at http://www.wcu.edu/WebFiles/PDFs/police_appeal_form_faculty_staff.pdf, or in the Parking Services Office. The student parking citation appeal form is available online at https://www.wcu.edu/discover/leadership/student-government-association/student-parking-ticket-appeals.asp. For more information, contact the University Parking Services Office at 828-227-7275 (PARK).

**Shuttle Bus System (CAT-TRAN).** The shuttle bus system, or Cat- Tran, is operated through the University Police Department. Cat- Tran provides shuttle service along prescribed routes throughout the semester during day-class hours. Reduced shuttle service is available during evening, weekend, and summer hours. The Cat- Tran does not operate during holidays, spring or fall breaks, or semester breaks. The Cat- Tran buses are used for the daily shuttle routes and are not available for special event or group use. For information regarding routes, hours of operation, or other issues, please visit the Cat- Tran

Other Services and Facilities

**Bank Services.** A Wells Fargo ATM is located on campus. State Employees Credit Union and BB&T ATM's are in the A.K. Hinds University Center. Additionally, branch offices of Wells Fargo, BB&T, State Employees Credit Union, Sun Trust Bank, Macon Savings Bank, Carolina First Bank, Mountain Credit Union, United Community Bank, First Citizen's Bank, and Jackson Savings Bank operate in or near Sylva.

**Books and Supplies.** The Catamount Bookstore offers students a variety of educational materials and supplies. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students and, distance-learning students -- as well as supplemental text- and course-related materials for undergraduates - - are sold by the store. Caps and gowns, graduation invitations, and class rings may also be purchased at the store. For more information, call 828-227-7346 or visit our website at http://books.wcu.edu/home.aspx.

**Clothing and Gifts.** The Catamount Clothing and Gifts store offers students a variety of clothing, gifts, greeting cards and miscellaneous items. For more information, call 828-227-7346 or visit our Web site at http://merch.wcu.edu/home.aspx.

**Mail Service.** Students residing on campus are assigned a mailbox with their room assignments. All other students may rent a box in the Cullowhee Post Office. US. postal regulations do not permit receipt of mail through general delivery after an initial 30-day period. A postal commodity machine offering stamps, envelopes, postcards, aerograms, overseas services, and other features is located in the University Center.

**Project Discovery-Talent Search.** Talent Search is a federally-funded program through the U.S. Department of Education hosted here at Western Carolina University. Our mission is to assist first-generation college-bound students with enrollment in post-secondary schools. Talent Search provides a wide range of support services to 900 area middle- and high-school students. Academic, career, and financial aid counseling as well as a variety of summer and adventure educational experiences are also provided. Talent Search can be reached at 828-227-7137 or by visiting http://www.wcu.edu/engage/community-resources/project-discovery/about-project-discovery/.

**The Kneedler Child Development Center** provides affordable, accessible childcare for approximately 60 children of students, faculty, staff, and community members. The center operates four classrooms (ages 1-5) staffed by qualified teachers who are committed to early childhood education. Each classroom offers developmentally - appropriate activities designed to stimulate social, emotional, intellectual, and physical development. The facility is in the remodeled west wing area of the Cordelia Camp Building. For further information, visit http://www.wcu.edu/engage/community-resources/kneedler-child-development-center/ or contact the center at 828-293-1530.
Policy on Responsible Use of Information Technology Resources

Information technology resources are provided to support the University's mission. To ensure that these shared and finite resources are used effectively to further the University's mission, each user has the responsibility to use the resources appropriately and efficiently, respect the freedom and privacy of others, protect the stability and security of the resources and understand and fully abide by established University policies and applicable public laws. Abuse or misuse of information technology resources include (but are not limited to) sharing your user credentials with others, unauthorized attempts to access information or information technology resources, and, theft, vandalism, copyright issues, and harassment. Abuse or misuse of information technology resources may not only be a violation of university policy, but it may also violate certain regulations or criminal statutes. Therefore, the university will take appropriate action in response to user abuse or misuse of information technology resources. Action may include, but not necessarily be limited to, suspension or revocation of access to information technology resources. Violation cases will be referred to the appropriate office for disciplinary action and may require referral to law enforcement authorities. Users must cooperate with any investigation of abuse or misuse of information technology resources. To the extent permitted by law and policy, the university reserves the right to access and disclose the contents of any files or Email stored on University information technology resources, without the consent or knowledge of the user. See University Policy #52, Responsible Use of Information Technology Resources online at, https://www.wcu.edu/discover/leadership/office-of-the-chancellor/legal-counsel-office/university-policies/numerical-index/university-policy-52.asp

Electronic Mail (email) Policy. University Policy #52 (see link above) also addresses the use of email. The university email system and email accounts are provided by the university as one of its primary means of official communication. An email message regarding university matters sent from an administrative office, faculty, or staff member is considered to be an official notice. Students, faculty, and staff are required to read their university email system messages on a regular basis to receive these official notices.
Admissions

Admissions - General Information

Applications for undergraduate admission should be addressed to the Office of Admission. Inquiries about graduate admission should be directed to the Graduate School. More information on graduate admission will be found in the Graduate School section of this catalog.

Campus Visit

Prospective students and their parents are invited to visit the campus. A visit provides an opportunity to visualize more fully the meaning of attending the university, especially if classes are in session. For more information on tour registration, go to http://visit.wcu.edu or call the Office of Admission at 828-227-7317.

Applications

Applicants for undergraduate admission must submit all of the following:

1. A completed application form
2. Application processing fee (see Fees and Financial Aid section)
3. Complete academic records as described below in "Categories of Undergraduate Admission." The application fee covers the cost of processing the application and is not refundable or applicable toward other charges and payments.

Admitted applicants must complete the immunization form. All materials submitted, including transcripts, become the property of the university and cannot be forwarded or returned.

Admission Dates

Applications may be made for admission under the Early Action or Regular cycles. Deadlines are detailed in the following pages.

Early Registration for New Students

The Advising Center offers newly admitted students an opportunity to complete a web-based program designed to help them prepare for their first semester at WCU. Information provided by the student during the program will be used to create an initial schedule. Students are also required to attend one student orientation. During orientation, new students are given a general introduction to the university and to campus life. They will also meet with an academic advisor and be given an opportunity to adjust their schedule. A special program of activities for parents of new students is available during summer orientations.
Advance Deposits

Each new undergraduate student who is admitted to Western Carolina University in resident credit coursework is required to submit an advance tuition deposit of $150. This payment will be credited to the charges for the first semester of enrollment. All new students who plan to live in a university residence hall also pay an advance housing deposit of $150. Refer to University Policy 96 for information pertaining to students who are required to live on campus. The advanced tuition deposit and advanced housing deposit are non-refundable. The deadline for these payments for fall semester is May 1 and for spring semester is December 1. For additional information, see the section on "Fees, Expenses, and Financial Aid" of this catalog.

Computer Admission Requirement for Undergraduates

Western Carolina University strives to ensure that students have access to the highest quality education and can take maximum advantage of the changes in information and communications technologies. All newly-admitted and readmitted degree-seeking undergraduate students are required to have an appropriate, networkable laptop. The computer requirement includes a software and hardware component. For further information, see the WCU IT web site at http://www.wcu.edu/learn/academic-services/it/doit-for-students.asp

Undergraduate Admission

The university is open to all qualified students without regard to race, sex, color, national origin, religion, age, sexual orientation, or disability.

First-Year Students

Admission to Western Carolina University and placement into courses and programs are based upon a variety of factors including courses taken, rank in class, SAT or ACT scores, and grade-point average. The university reserves the right to require any conditions deemed necessary to help ensure student success. Applications also are considered for admission from prospective students who have achieved high school graduation equivalency by means of tests of General Education Development (GED), if they have completed Minimum Course Requirements or qualify for an exemption by way of additional college coursework.

Entrance Examinations

Freshman applicants must take the SAT or the American College Test (ACT). The achievement test in subject-matter fields is not required. For the SAT, application forms and information concerning the test fee, dates, and centers may be obtained from the College Board, P.O. Box 592, Princeton, New Jersey 08541 or online at http://collegeboard.org. Information and application for the ACT may be obtained from
The American College Test National Office, P.O. Box 168, Iowa City, Iowa 52243 or online at http://act.org, and from high school guidance counselors. Applicants must request that their scores be sent to the Office of Admission, Western Carolina University, Cullowhee, North Carolina 28723. College code for the SAT is 5897 and the ACT code is 3172.

Secondary School Preparation

The quality and content of the applicant's high school program are important. A good background in English, mathematics, foreign language, social studies, and natural sciences is required. To be considered for any category of admission, students must have graduated from high school and successfully completed the following 15 Minimum Course Requirements (MCR) of college preparatory courses:

Minimum Course Requirements (MCR):

- Four (4) units of English
- Four (4) units of math including:
  - Two (2) units of algebra
  - One (1) unit of geometry or advanced math
  - One (1) unit of math beyond algebra II
- Three (3) units of science including:
  - One (1) unit of a life or biological science
  - One (1) unit of a physical science
  - One (1) unit of an additional lab science
- Two (2) units of social studies including:
  - One (1) unit in U.S. history
- Two (2) units of one language other than English

Admission Procedure

WCU Admission Cycle for First-Year Students (including high school students who are dually-enrolled in college)

Fall

Early Action. The deadline is November 15 for a non-binding decision. Candidates who do not complete the application process by November 15 or apply beyond November 15 will be rolled into the Regular cycle, described below. Early Action decisions on complete applications are made by mid-December. Deposits for tuition and housing are due May 1.

Regular Admission Priority. Deadlines are February 1 and March 1. Applications will be accepted beyond March 1 in the regular cycle as space permits. Decisions will be mailed on a rolling basis between January and April. Deposits for tuition and housing are due May 1.
Late Admission. Admission may continue after March 1 on a case-by-case basis, depending upon space availability and extenuating circumstances; however, students should meet all application deadlines. Decisions will be mailed on a rolling basis. To reserve a space and to have greater priority in the pre-registration and placement processes, students and their families should submit housing and tuition deposits as soon after admission as possible.

Spring

Application deadline: November 15. Decisions mailed on a rolling basis until December 15. Deposit deadline is December 1.

Summer

Application deadline: April 15. Decisions mailed on a rolling basis through enrollment date.

WCU Admission Cycle for Transfer Students

Fall

Application deadline is June 1. Applications will be accepted beyond June 1 if space permits.

Decisions will be mailed on a rolling basis. To reserve a space and to have greater priority in the pre-registration and placement processes, students and their families should submit housing and tuition deposits as soon after admission as possible.

Spring

Application deadline is November 1. Progress reports will be required for candidates enrolled in the fall term at the sending institution. Decisions will be mailed on a rolling basis. All decisions will be conditional, pending receipt of an official transcript from the sending institution reflecting final grades.

Tuition and housing deposits (non-refundable) due no later than December 1.

Summer

Application deadline is April 1. Decisions will be mailed on a rolling basis up through enrollment date; last-minute decisions can also be voice-delivered in person at the Office of Admission, and communicated online. Deposit deadline is May 1.

Home-Schooled Applicants
This policy deals with those students who are applying for admission as first-year or transfer applicants, who are required to submit secondary-school records, and who are participating (or have participated) in a secondary home-school program.

Home-schooled students will have their records considered only under the following conditions:

1. The student provides an official transcript of all work completed (high-school and college if dually enrolled). This should include course names, descriptions, grades, and the amount of credit awarded.
2. The student provides official score reports of the SAT or ACT tests.

All home-schooled applicants must meet standards equivalent to those used for applicants from approved secondary schools. This includes indication of the successful completion of work equivalent to high-school units listed under "Secondary School Preparation." Each applicant will be reviewed individually for academic strengths and weaknesses.

Categories of Admission

First Year Students

Standard Admission

Each applicant is evaluated based on individual strengths and weaknesses for placement into the regular course sequence. Priority is given to those applicants who have demonstrated a strong potential for success in the academic programs at WCU. Factors used in the evaluation process include, but are not limited to the following:

- **Courses selected by the student in high school and the grades achieved in those courses.** A strong college-preparatory curriculum is recommended. All students who are admitted must meet the Minimum Course Requirements (MCR) of The University of North Carolina system. Special attention may be given to work completed during the senior year.
- **Scores achieved on either the SAT or the American College Test (ACT).**
- **Academic performance in college courses or on placement examinations.** Applicants should submit official college records and examination results as soon as they are available.
- **Personal essays, recommendations, and other supporting documentation.** These materials are optional but can provide additional insight and support to an admission decision. Information that sheds additional light as to why an applicant believes WCU would be a good fit, provides examples of determination, or explains any unusual circumstances or inconsistencies in performance are particularly beneficial in the admission review process.

Priority consideration for admission will be given to applications completed before each application deadline. Therefore, the earlier a student submits all required documentation, the greater the likelihood of a favorable decision.
Admission to the Academic Success Program

Students whose high school records and test scores do not qualify them for standard admission but who show some potential for successful college work may be considered for admission to the university's Academic Success Program (ASP). Students admitted into the ASP still must meet all Minimum Course Requirements (MCR) prior to enrollment into the regular fall term. An applicant's high school records and ACT or SAT scores will be the primary information used to determine admission. The applicant must demonstrate the aptitude and motivation necessary to be able to successfully complete summer coursework and between 12 and 16 semester hours of college course work in the first semester of enrollment.

The ASP program features additional tutoring and small, clustered classes designed to ease the transition from high school to college. Freshmen admitted to the ASP program are required to begin their program during the summer term when they will be provided with special assistance.

Admission to the Spring Entry Program

Students whose academic records do not qualify them for standard or ASP admission but who show some potential for successful college work may be considered for admission to the university's Spring Entry Program (SEP). Students admitted into the SEP still must meet all Minimum Course Requirements (MCR) prior to enrollment in the spring term. An applicant's academic record, including any college coursework attempted prior to enrollment at WCU in the SEP, will be the primary information used to determine eligibility to enroll.

Minimum Course Requirements (MCR) at the Sixteen Institutions of The University of North Carolina

The following courses are required for admission, in addition to an institution's own specific requirements:

- English
  - Four (4) course units emphasizing grammar, composition, and literature
- Mathematics
  - Four (4) course units including algebra I, algebra II, and geometry, and a higher-level mathematics course for which algebra II is a prerequisite
- Science
  - Three (3) course units including one unit in a life or biological science (for example, biology), one unit in a physical science (for example, physical science, chemistry, or physics), and one laboratory course
• Social Studies
  o Two (2) course units including one unit in U.S. history. (An applicant who does not have the unit in US. history may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.)

• Foreign language
  o Two (2) units of one language other than English.

Course units, as defined in these requirements, may include those high-school-level courses taken and passed by an applicant after graduating from high school, as well as those taken while enrolled as a high-school student.

Pre-University Program

This program enables high school students who have completed their junior year with superior academic records to begin work toward a university degree. Students who qualify may enroll in and earn credit for selected freshman courses. Full information is available from the Office of Admission.

Transfer Students

Applicants must have official transcripts, with statements of honorable dismissal, submitted by all institutions formerly attended. The applicant must meet first-year admission requirements and submit an official high school transcript with SAT or ACT test results, unless the application meets exception criteria. Transfer applications and required documentation should be submitted by June 1 for fall admission, and by April 1 for summer terms. The deadline for spring is November 1.

Admission decisions will be based primarily upon a transfer student’s academic performance in college. Applicants should have earned a minimum higher education grade point average (GPA) of 2.20 (C average) on all work attempted; however, a minimum 2.00 does not ensure admission to the university or to a specific program of study. Applicants who are ineligible to return to the last institution attended for any reason cannot qualify for admission.

Students transferring from any unaccredited institution, if admitted, may be placed on academic probation and may be permitted to validate transfer credits by attaining satisfactory grades at Western Carolina University or successfully completing validation examinations.

The academic records of transfer students will be evaluated by the Office of the Registrar, the Advising Center, and the department head of the student’s major. University policies on transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

Cooperative Transfer Agreements with Community Colleges

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Cooperative agreements exist between WCU and the community colleges across North Carolina. For additional information, contact the Advising Center or a local community college.

**All Former Students**

A student who has not been enrolled at WCU for three or more consecutive terms is considered a former student. Any other student resuming enrollment should contact the Advising Center at 828-227-7753 for information about course registration.

Readmission of former students is not automatic. Students are required to reapply and be admitted under any of the following conditions:

- They were not in good academic or social standing when they ceased enrollment at WCU and have missed one or more semesters at WCU (excluding summer)
- They ceased WCU enrollment for three or more consecutive terms (summer included)
- They wish to change levels or change classifications (i.e. change from non-degree seeking to degree seeking or from undergraduate to graduate level)

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<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
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<td>Not Enrolled</td>
<td>Not Enrolled</td>
<td>Reapply</td>
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</table>

*See Graduate Catalog for information about admission to the Graduate School.*

**Returning After Suspension**

Students who were not in good academic or social standing when they ceased enrollment at WCU and have missed one or more semesters at WCU (excluding summer) must reapply for admission and complete the Statement of Academic Intent found at http://sai.wcu.edu. Students who exceed three consecutive terms of non-enrollment (summer included) regardless of reason must reapply for admission.

**Post-Baccalaureate Students**
Graduates of accredited four-year institutions may apply for admission to work toward another undergraduate degree. Western Carolina University is authorized to offer 10 different bachelor's degrees: Bachelor of Arts (BA), Bachelor of Fine Arts (BFA), Bachelor of Music (BM), Bachelor of Science (BS), Bachelor of Science in Business Administration (BSBA), Bachelor of Science in Education (BSEd), Bachelor of Science in Electrical Engineering (BSEE), Bachelor of Science in Engineering (BSE), Bachelor of Science in Nursing (BSN), and the Bachelor of Science in Social Work (BSW). A student may obtain from the university a second bachelor's degree provided the degree is in a different major. Students may not earn a second degree in the same major. The general requirements for second degrees are stated in the section of this catalog on degree programs and requirements. Students seeking to pursue advanced degrees should refer to the Graduate School section.

**International Students**

International students are welcome at the university. International Students are granted regular, provisional, special, non-degree, or guest matriculant admission to Western Carolina University as appropriate in each case. Western Carolina University is authorized under Federal law to enroll non-immigrant students. International students should submit an application form, application processing fee (waived for exchange students), SAT and/or TOEFL, test scores and transcripts evaluated by an approved evaluation company if necessary. International applicants from countries where English is not the primary language must submit a minimum score of 520 (paper-based), or 68 (internet-based) on the Test of English as a Foreign Language (TOEFL). To receive a visa, students need to provide a statement of financial responsibility. It is expected that international students will not begin study until the admission process is completed and the student has met all admission conditions.

Since several months may be required to receive and process applications from abroad, international students are urged to submit complete information as early as possible but no later than stated deadlines.

Application deadlines for international students are as follows: April 1 for fall term and September 1 for spring term. Contact International Programs and Services at http://www.wcu.edu/learn/office-of-international-programs-and-services/ and click on "international students."
Other Eligible Persons

Non-degree-seeking Students

Persons not seeking degrees may apply as Non-degree-seeking students by completing an application and paying the application fee. Non-degree-seeking students are not admitted to any degree program, are not eligible for financial assistance, and are not assigned to advisors. Non-degree-seeking students applying to live in university housing should indicate their status on the housing contract. Admission categories for special students include the following:

Special Students

Upon approval, people not seeking degrees, but wishing to take courses for personal enrichment or advancement may take up to 18 semester hours as a non-degree student. Academic credentials may be required to validate a student's eligibility for admission. Non-degree students who wish to take more than 18 semester hours must meet regular admission criteria.

Alternative Teacher Licensure Students

Persons who have earned a previous four-year degree and are returning to complete those requirements necessary for teacher licensure and are not pursuing a degree may apply as an alternative Teacher Licensure student (http://alternativelicensure.wcu.edu). Candidates interested in middle grades education may apply to the Graduate Certificate Program that leads to an initial license in middle grades. Those interested in elementary education may apply as second-degree-seeking students; they must complete all requirements for the initial license and also major in elementary education. Those who plan to meet alternative teacher licensure requirements must provide transcripts of all college work to the Office of Alternative Teacher Licensure, 223 Killian Building, Western Carolina University, Cullowhee, North Carolina 28723.

Dual Enrollment Students

Dual enrollment students are those students who plan to take courses at Western while currently enrolled in a local high school. Applicants must submit a letter of parental consent, a letter of permission from their high school principal or guidance counselor, SAT or ACT scores, and an official high-school transcript. Dual enrollment students may not live in campus housing.

Extension Students

Individuals may enroll in extension courses with the approval of the coordinators of the courses. An extension student who later desires to enroll in courses for degree credit must meet regular admission requirements.
Transient (Visiting) Students

A student interested in enrolling for a semester or a summer session before returning to another institution may be admitted as a transient. A statement of good standing at the former institution (or an official transcript denoting good standing) is required.

Students Applying for Special Consideration

Persons of above-average ability who do not meet admission requirements in any category may request special consideration by submitting a letter of explanation and supporting information. However, regular admission guidelines are regarded as sound for the student and the university. Few exceptions are made.

Appeals of Admission Decisions

Admission decisions may be appealed by presenting a written request for reconsideration to the Director of Admissions, who reviews any appeal related to academic preparation or credentials. Final appeal of admission decisions may be submitted to the Assistant Vice-Chancellor for Undergraduate Enrollment. Appeals of decisions related to criminal, disciplinary, or behavioral factors are referred to the dean of students. The request should indicate the reasons for reconsideration and any factors the applicant feels were not given adequate consideration in the admission process. Applicants will be notified in writing of the final decision by the Office of Admission.

Summer Session Admission

All policies in effect during the regular academic year are applicable to summer enrollment. Further information is available upon request from the Division of Educational Outreach, Graduate School, or Office of Admission.

Application Falsification

Students furnishing the university with false, misleading, or incomplete information relating to their application or academic record will be subject to rejection or dismissal.
Fees, Expenses and Financial Aid

Fee Information

Western Carolina University holds its charges to a minimum, and fees are commensurate with the provision of needed services. The following schedule of fees, due and payable by the payment deadline for each semester, will be effective beginning with the fall semester of the 2018-2019 academic year. The university reserves the right to alter any charges without prior notice upon direction from appropriate governing authorities.

Application for admission must be accompanied by a non-refundable application processing fee, in the form of a check or money order made payable to Western Carolina University.

Payment of Fees

All charges are due and payable on or before the payment deadline for each semester. Payment may be made by mailing a check, cashier's check or money order, to the Student Accounts Office, in-person at the One Stop in the Killian Annex, or on-line by credit card or check through the MyWCU student portal. In accordance with state policy, a processing fee of $25 is assessed for returned checks. A processing fee of $5.00 will be assessed for ACH payments with incorrect account information.

Any fees or fines not paid will cause the university to withhold the issuing of transcripts and block registration for classes until all debts are cleared.

Students who preregister will be required to remit full payment of tuition and fees by August 1 or next business day for fall semester (December 15 for spring semester-or next business day) to retain their preregistered class schedules. After this deadline, schedules of undergraduate students who have preregistered and not paid will be canceled. The class seats made available thereby will be offered to these and all other students who register in the regular registration and drop-add periods at the beginning of the semester.

Tuition and Housing Deposits

Tuition and Fees

New students (first year and transfer students) who are admitted to Western Carolina University in resident coursework are required to remit a $150 nonrefundable tuition deposit as soon as possible but no later than May 1 (for summer and fall terms) and December 1 (for spring term). By doing so, the student reserves a place in the entering class and establishes eligibility to preregister for courses to be taken in the first term of enrollment. This amount is due and payable upon notification of acceptance for admission and must be paid prior to participation in course preregistration. The payment is fully creditable to charges for the first semester of enrollment.
Housing

New students who intend to live on the University campus must remit a $150 non-refundable housing deposit as soon as possible but no later than May 1. This amount is due and payable upon notification of admission and is fully creditable to housing charges for the first semester of enrollment. Returning students are required to remit a $150 nonrefundable housing deposit by June 1 of each year to secure residence hall spaces for the next academic year. This payment is full creditable to first semester housing charges. First-and-second-year students are required to live on campus. The Department of Residential Living determines and communicates before January 16 of each year if the second-year requirement will be waived for current first-year students. First year students living with a parent or legal guardian in Jackson, Macon, Haywood, Swain, and Transylvania Counties may submit a Residency Exemption to live at home. To live on campus at WCU, students must be enrolled as residential students in Cullowhee. Distance students are not permitted to live in the residence halls.

Requests and payments for campus housing will be accepted on a space-available basis.

Resident and Distance Learning Tuition and Fee Charges

The university classifies its programs and courses into two categories: resident and distance learning (DL). Students should become familiar with the classification of their programs, because each has a different tuition and fee structure. Resident programs are located on campus in Cullowhee or at resident centers in Asheville/Buncombe County and Cherokee. Degree or certificate programs that are approved for DL serve students away from the Cullowhee campus and its resident centers. Course sections are classified as resident or distance based on the intended population to be served. Although course section classifications as resident or distance typically follow program designations, there are exceptions. So, during the online registration process, students should look at the "campus" designation to determine whether the course section is a resident or distance course for tuition purposes.

Tuition and fees are based on program and/or course-section campus classification and are applied to all academic terms. Typically, resident and distance students enroll in course sections in the same classification as their program (e.g. distance students enroll in distance courses). Occasionally, students may find it necessary to enroll in a course section whose designation is different from the classification of their approved programs. When this occurs, distance and part-time resident students will be charged the tuition and fees associated with the classification of each individual course section (resident or distance). Full-time resident students will be charged their full-time rate regardless of the combination of resident and distance course sections. Since there is no full-time rate for DL students, DL students will be charged the part-time rate for resident courses in which they enroll unless their program has a special provision to be charged otherwise. Special provisions may be approved for specific programs (e.g. Military and Jamaican programs).

Fees per Semester
Full Time Student

Tuition rates are reviewed and set annually by the North Carolina Legislature. The university reserves the right to alter any charges without prior notice.

*Pending approval by the Board of Governors

<table>
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<tr>
<th>Tuition and Required Fees, NC:</th>
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<tbody>
<tr>
<td>Undergraduate</td>
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<tr>
<td>Graduate</td>
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</table>

<table>
<thead>
<tr>
<th>Tuition and Required Fees, Out of State:</th>
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<tbody>
<tr>
<td>Undergraduate</td>
</tr>
<tr>
<td>Graduate</td>
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</tbody>
</table>

Graduate

Cert. Registered Nurse Anesthetist-NC $ 7,374.38
Cert. Registered Nurse Anesthetist, out of state $ 12,577.88
Cert. Communication Sciences and Disorders-NC $ 5,574.38
Cert. Communication Sciences and Disorders-out of state $ 10,777.88
Business, NC $ 5,424.38
Business, out of state $ 11,077.88
Family Nurse Practioner, NC $ 5,274.38
Family Nurse Practioner, out of state $ 10,477.88
Social Work, NC $ 5,274.38
Social Work, out of state $ 10,477.88
**Doctorate:**

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**Per Semester Charges Detail**

**Full Time Undergraduate Student**

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<td>Book Rental Fees</td>
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<td>Room (standard double)</td>
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</tr>
<tr>
<td>Board (175 AYCE + 579.94 DB)</td>
<td>$ 2,127.16</td>
<td>$ 2,127.16</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$ 7,929.04</td>
<td>$ 9,929.04</td>
</tr>
</tbody>
</table>

**Part-time Student**

Undergraduate, new students, enrolled for 11 or fewer hours; graduate, enrolled for eight or fewer hours.

<p>| Hours Enrolled | Undergraduate | Graduate |</p>
<table>
<thead>
<tr>
<th></th>
<th>In-State</th>
<th>Out-of-State</th>
<th>In-State</th>
<th>Out-of-State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$255.48</td>
<td>$755.48</td>
<td>$660.03</td>
<td>$1,961.03</td>
</tr>
<tr>
<td>2</td>
<td>$385.83</td>
<td>$885.83</td>
<td>$764.93</td>
<td>$2,065.93</td>
</tr>
<tr>
<td>3</td>
<td>$516.18</td>
<td>$1,016.18</td>
<td>$1,423.95</td>
<td>$4,025.95</td>
</tr>
<tr>
<td>4</td>
<td>$646.53</td>
<td>$1,146.53</td>
<td>$1,528.85</td>
<td>$4,130.85</td>
</tr>
<tr>
<td>5</td>
<td>$776.88</td>
<td>$1,276.88</td>
<td>$1,633.75</td>
<td>$4,235.75</td>
</tr>
<tr>
<td>6</td>
<td>$2,326.23</td>
<td>$3,326.23</td>
<td>$3,587.66</td>
<td>$7,489.66</td>
</tr>
<tr>
<td>7</td>
<td>$2,456.58</td>
<td>$3,456.58</td>
<td>$3,692.56</td>
<td>$7,594.56</td>
</tr>
<tr>
<td>8</td>
<td>$2,586.93</td>
<td>$3,586.93</td>
<td>$3,797.46</td>
<td>$7,699.46</td>
</tr>
<tr>
<td>9</td>
<td>$2,842.41</td>
<td>$4,342.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>$2,972.76</td>
<td>$4,472.76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>$3,103.11</td>
<td>$4,603.11</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For each course scheduled for audit, a charge will be made equal to the credit hour value of the audited course.

**Additional Academic Fees per Semester**

Engineering Major $75.00

Fine Arts Major Fee $125.00

Initial Professional Ed Sequence Course Fee $72.00

Cooperating Teachers Stipend Course Fee $150.00

Athletic Training Program Fee $200.00

Dietetics Program Fee $125.00

Recreational Therapy Program Fee $50.00
Emergency Medical Care Program Fee $ 350.00
Environmental Health Program Fee $ 50.00
Social Work Program Fee $ 175.00
Honors College Program Fee $ 7.50

Tuition rates above assume that you are a full-time student. Students who enroll for 11 or fewer semester hours are considered part-time. More information on part-time enrollment tuition and fees can be found at http://tuition.wcu.edu.

Additional Miscellaneous Fees

Parking Permit-Freshman Resident $ 400.00
Parking Permit-Sophomore Resident & Commuter $ 324.00
Parking Permit-Junior Resident $ 288.00
Parking Permit--Senior Resident & Graduate $ 252.00
Motorcycle Permit $ 42.00
Weekly Parking Permit $ 7.50
Application Fee $ 65.00
International Application Fee $ 90.00
Late Registration Fee $ 10.00
Graduation Fee $ 60.00
Late Graduation Registration Fee $ 25.00
Returned Check Fee $ 25.00
Transcript Fee (Non-Enrolled Students) $ 10.50
Replacement Diploma Fee $ 35.00
Certificate Fee $ 50.00
International Student Fee $ 150.00
Study Abroad Fee $ 150.00
Residential Technology Fee $ 89.00

Athletic Facilities Debt Fee, $48.00; Brown Hall Debt Fee, $68.00; Recreational Center Debt Fee, $77.00; Transportation Fee, $59.00; University Center Debt Fee, $12.00; Dining facility debt fee, $56.50; Health Insurance, $1,293.88 (Nonrefundable. Required by degree-seeking students enrolled for at least 6 hours. May be waived by verifying coverage at www.studentinsurance.com)

Textbooks are available to graduate students by purchase only.

Distance Learning Tuition and Fees

Tuition and Fees per Semester Hour

<table>
<thead>
<tr>
<th></th>
<th>In State</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$ 53.88</td>
<td>$ 189.02</td>
</tr>
<tr>
<td>Undergraduate-Emergency Medical Care</td>
<td>$ 77.53</td>
<td>$ 212.67</td>
</tr>
<tr>
<td>Graduate</td>
<td>$ 246.57</td>
<td>$ 756.72</td>
</tr>
<tr>
<td>Military</td>
<td>$250.00</td>
<td>$ 250.00</td>
</tr>
</tbody>
</table>

Fees for distance education include Education and Technology, Association of Student Government and Records and Enrollment Management and Campus Security Fees.
## Residence Halls

**Standard Residence Hall - (Albright, Benton, Buchanan, Scott, Walker)**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,121.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$2,398.00</td>
<td></td>
</tr>
</tbody>
</table>

**Reynolds Hall**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,292.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$2,586.00</td>
<td></td>
</tr>
</tbody>
</table>

**Judson Hall**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,241.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$2,630.00</td>
<td></td>
</tr>
</tbody>
</table>

**Balsam/Blue Ridge Halls**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,726.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$3,235.00</td>
<td></td>
</tr>
</tbody>
</table>

**Robertson**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,050.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$2,549.00</td>
<td></td>
</tr>
</tbody>
</table>

**Madison Hall**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
<th>Double Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,452.00</td>
<td></td>
</tr>
<tr>
<td>Double Room</td>
<td>$3,020.00</td>
<td></td>
</tr>
</tbody>
</table>

**Village**

<table>
<thead>
<tr>
<th></th>
<th>Single Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>$3,471.00</td>
</tr>
</tbody>
</table>
Double Room $3,031.00

Norton Road Hall

Single Room $3,306.00

Double Room $3,053.00

Harrill Hall

Single Room $3,303.00

Double Room $2,803.00

Noble Hall

Single Room $3,616.00

Double Room $3,080.00

Late Registration and Payment

Students who register after the last regular registration date will be charged a late fee of $10 for each course. Delinquent accounts will be assessed a one-time 10 percent late payment penalty and monthly interest at an interest rate established by the North Carolina Department of Revenue.

Western Carolina University is a publicly supported institution. Tuition payments and other required fees meet only a part of the total cost of the education of students enrolled. Tuition and fee rates included are waiting for approval by the University System of North Carolina Board of Governors, not inconsistent with actions of the General Assembly

Students and parents can also find additional information on Western Carolina University's Use of Tuition Statement at: https://www.wcu.edu/WebFiles/unc_system_1718_tuition_bill_statement.pdf. This statement provides detail on an annual basis for the UNC Board of Governors' approved tuition and fees only. For a list and description of both UNC Board of Governors' and WCU's fees, go to http://www.wcu.edu/apply/tuition-and-fees/index.aspx and choose "More about 2018-2019 Required Fees".
Dining Services

Meal Plan Requirement

University policy requires students who live in a residence hall to purchase a meal plan from the residential plans each semester. Unused declining balance points at the end of fall semester will transfer to spring semester for continuing students. Unused declining balance points are forfeited at the end of spring semester. Block Plan meals must be used in the semester for which they were purchased. Unused Block Plan meals do not transfer to the following semester and will be forfeited at the end of the semester. The balance remaining at the end of fall term does not change the requirement to purchase a meal plan for spring semester. No refunds will be issued for unused block meals or declining balance points.

Meal Plan Changes

Deadline for students to change their meal plan is the last day of course drop/add each semester.

Block Plan Meals

Block Plan meals are prepaid all-you-care-to-eat meals that can be used at Courtyard Dining Hall for any meal served. Block Plan meals are available to use throughout the semester. There is no limit on the number of meals that may be used during a specific day or week, but meals must be used in the semester for which they are purchased. Block meals do not transfer from semester to semester. Block meals may only be used at Courtyard Dining Hall.

Declining Balance Points

Declining Balance Points work on the same principle as bank debit cards. Each time you make a food purchase, the total cost of your purchase is subtracted from the point balance in your account. Declining balance points may be used at any campus dining location including the convenience stores and snack vending machines. Unused declining balance points at the end of fall semester will transfer to spring semester. Unused declining balance points at the end of spring semester are forfeited. No refunds will be issued for unspent declining balance points.

Meal Exchange

Almost all retail dining locations offer a Meal-Exchange menu. Meal Exchange will allow you to use a portion of your block meals in the retail locations. To use a Meal-Exchange meal, you simply order an item from the Meal-Exchange menu and then let the cashier know you will be using Meal Exchange to pay for your order. To determine how many Exchange Meals come with your Meal Plan, check out the Meal Plan page. The
meal plan description will tell you the number of Block Meals and, Exchange Meals as well as the amount of Declining Balance (DB) associated with your plan. You may also check your meal plan balances on MyWCU.

ID Card

A valid WCU Cat Card is required to use your meal plan. You must personally present your Cat Card to access your meal plan. You may not loan your card to another student. Cards presented in dining locations by someone other than the card owner will be confiscated. Cards and replacements may be obtained in the Killian Annex at One Stop Student Service Center. Cards that are damaged or have impaired photographs may be confiscated. Lost or stolen cards must be reported immediately to the Cat Card office or to University Police to have the card declared invalid. The university and Dining Services are not liable for purchases made with lost or stolen cards.

Serving Dates

Your meal plan can be used during scheduled service times from lunch on the day residence halls open until the day residence halls close at the end of the semester except during these University holidays: Thanksgiving Break (Wednesday-Sunday lunch), Winter Break, and Spring Break. Serving dates and hours of operation at individual dining locations are described on our website at http://campusdish.com/. Holiday hours will also be posted several days in advance at each location and will be available on the website.

Meal Plans

*Unlimited* ($2,352.93 per semester) Unlimited "All-you-care-to-eat" meals + $330.63 Declining Balance Points (Available to all students)

*175 Block Plan* ($2,127.16 per semester) 175 "All-you-care-to-eat" meals + $579.94 Declining Balance Points (Available to all students)

*125 Block Plan* ($1,975.22 per semester) 125 "All-you-care-to-eat" meals + $771.47 Declining Balance Points (Available to all students)

*65 Block Plan* ($1,661.71 per semester) 65 "All-you-care-to-eat" meals + $989.75 Declining Balance Points (Available to sophomores, juniors, seniors, and graduate students based on credit hours)

*40 Block Commuter* ($852.79 per semester) 40 "All-you-care-to-eat" meals + $481.50 Declining Balance Points

**Freshmen must choose either the Unlimited, 125 Block or 175 Block Plan.**
Refund Policies

Students Who Completely Withdraw From WCU

Academic Year Tuition and Fees

During a fall or spring semester, a full-time or part-time student who withdraws from the university before the first day of classes or during the first five days of class will be refunded 100 percent of tuition and fees. The term "refund" should be understood to mean the repayment of money received by the university for tuition and fees or for a reduction of charges if tuition and fees have not yet been paid. Students who withdraw from the university beginning the sixth day of classes are entitled to refunds of tuition and fees (with the exception of the non-refundable health insurance fee) in accordance with the following schedule:

<table>
<thead>
<tr>
<th>Days Following First Day of Classes</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>The first 5 days of class</td>
<td>100 percent</td>
</tr>
<tr>
<td>6 to 11 calendar days</td>
<td>90 percent</td>
</tr>
<tr>
<td>12 to 28 calendar days</td>
<td>50 percent</td>
</tr>
<tr>
<td>29 to 57 calendar days</td>
<td>25 percent</td>
</tr>
<tr>
<td>58 calendar days</td>
<td>0 percent</td>
</tr>
</tbody>
</table>

Refunds of room and board charges will be prorated based on the number of days the dormitory room was occupied and the meal ticket was used. Students who have purchased the declining balance meal plan will be refunded the actual account balance at the time of withdrawal.

Students who drop all courses must withdraw from the university. They are, therefore, eligible only for the partial refunds that apply to university withdrawals.
Students who withdraw from the university because of involuntary recall to military service, pursuant to a Presidential order authorizing the call-up of reservists, and who are thereby prevented from receiving credit for the courses in which they are enrolled, will be entitled to a full refund of tuition and fees.

**Summer School Tuition and Fees**

Summer school students who withdraw from the university before the first day of classes or during the first two days of classes will be refunded 100 percent of tuition and fees. Summer school students who withdraw from the university beginning the third day of classes are eligible for refunds through the first 50 percent of the summer session. The credit prorations for summer school are available at the Student Accounts Office.

**Room and Board**

Credits for room fees for any semester or summer term will be calculated at the same rate as tuition and fees. Meal plan credits for standard meal plans will be calculated based on a prorated daily balance. Meal plan credits for declining balance plans will be based on the actual balance remaining on the student account at the time of withdrawal. All-you-care-to-eat meal plans have a standard declining balance component. Credits for all-you-care-to-eat plans will be based on the policy applicable to each component. Credits will not be made for the last two weeks of a semester or for the last week of a summer session.

**Exceptions**

Exceptions to these policies may be made if a student withdraws from the university for reasons of hardship. Hardship reasons are defined as any of the following:

1. Death of the student
2. Death in the student's immediate family
3. A medical condition that compels withdrawal upon recommendation of the director of Student Health Services,
4. A mental health condition that compels withdrawal upon recommendation of the director of Counseling and Psychological Services.

Requests for exceptions should be submitted to the Refund Appeals Committee, Academic Advising Center. Approved exceptions for refunds or account adjustments will be forwarded to the Student Accounts Office to make final settlement of the student's account. All refunds, regardless of the source of payment, will be made by a check payable to the student.
Students Who Drop Course Hours

Academic Year Tuition and Fees

Students who reduce their course loads before the first day of classes or during the first five days of classes but who continue to be enrolled in the university will have their tuition and fees adjusted fully to reflect only the number of semester hours in which they remain enrolled. Part-time students are eligible for a refund based on the semester-hour tuition rate. Full-time students are eligible for a refund only when course loads are reduced below the minimum hours required to qualify as full-time. No adjustment will be made for reduced loads after the first five days of class.

Summer School Tuition and Fees

Summer school students who reduce their course loads by one or more classes before the first day of classes, during the first two days of class, or on or before the date of the second class meeting, (whichever is later), will have tuition and fees adjusted to reflect the number of semester hours in which they remain enrolled. No adjustment will be made for reduced loads after the first two days of class.

Tuition Surcharge Policy

Effective Fall 2010, undergraduate students seeking a baccalaureate degree at Western Carolina University will be subject to a 50 percent tuition surcharge as required by the North Carolina General Statute Section 9.10.(b) § 116-143.7. Session Law 2009-451. No surcharge will be imposed on any student who exceeds the degree credit-hour limits within the equivalent of four academic years of regular term enrollment, or within five years of regular term enrollment in a degree program officially designated by the Board of Governors as a five-year program. As of Fall 2009, Western Carolina has no five-year programs approved by the Board of Governors. Additional details can be found on the university's website; keyword search "surcharge."

Book Rental Plan

The WCU Bookstore Book Rental Department offers textbook rentals to on-campus undergraduate students for courses numbered 100-499. Students pay a flat fee of $147.00 each semester and are entitled to the adopted textbook used in each course for which they are registered. Part-time students pay a pro-rated amount equal to the number of semester hours for which the student is registered times the established hourly rate. This plan does not provide notebooks, workbooks, paperbacks, manuals, or supplemental books and materials; these are available for purchase at the Bookstore. Students may purchase Book Rental textbooks at replacement cost (list price less 20 percent), but this does not exempt them from paying the rental fee. Book Rental fees are included with tuition and can be paid in the One-Stop Office. Further information about the Book Rental Plan can be found at wcubookstore.wcu.edu/.
Rental books must be returned no later than five working days after the last day of final exams each term (including mini-mester and Summer School). Unreturned books will be charged to your student account at replacement cost. Books returned after this five-day period will be credited to your student account at half (1/2) the charged amount. Grossly mistreated books must be purchased. There are no exceptions to the above policy. Textbooks may be returned by mail. Include your full name and student ID number and send books to this address:

WCU Bookstore  
Attention Book Rental  
Western Carolina University  
Cullowhee, NC 28723

Graduate students must purchase all required texts, regardless of course level. Textbooks for courses numbered 500 and above are available at the Bookstore. Textbooks for courses numbered below 500 are available for purchase at the Book Rental Department.

**Residence Status for Tuition Purposes**

Consistent with North Carolina's public policy of providing the benefits of higher education as free as practicable to the people of our state, the General Assembly has placed stringent criteria on who qualifies as a bona fide resident of this state for tuition purposes. Residence status for tuition purposes in North Carolina is governed by general statute, and the North Carolina State Residency Committee maintains a manual to assist students and their families in understanding both the legal and procedural requirements of resident classification for tuition purposes.

Section 1.C (page 5) from the North Carolina Resident Classification Manual is reprinted below:

Three broad points may help clarify state law governing the determination of residency for tuition purposes at institutions of higher education:

**First,** to appreciate the difference between residence and domicile. Residence is a place of abode, and may be either permanent or temporary. By contrast, domicile is never temporary; rather, it is one's permanent, established home. To be domiciled in a particular place, one must intend to remain there for an indefinite period of time (permanently), and it is the place where one intends to return if absent. A person may have many residences, but may only have one domicile. For purposes of this Manual, "domicile" is synonymous with "legal residence."

**Second,** generally speaking, state law mandates that only those who can demonstrate 12 months of uninterrupted domicile in North Carolina are eligible for in-state tuition. State law also places on applicants the burden of establishing, by a preponderance of evidence, that they are domiciled, rather than merely residing, in North Carolina. The 12-month
(365 days) qualifying period begins at the time that a cluster of domiciliary acts is established as confirmed by valid evidence.

"To be eligible for classification as a resident for tuition purposes [in-state tuition], a person must establish that his or her presence in the State currently is, and during the requisite 12-month qualifying period was, for purposes of maintaining a bona fide domicile rather than of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." G.S. 116-143.1(c)

In short, a 12-month presence in North Carolina, even when coupled with a declaration of intent to remain permanently, does not, in and of itself, entitle an applicant to in-state tuition. Campuses still must evaluate evidence of domiciliary acts and make an independent determination of whether a bona fide domicile has been established.

Third, state law also makes the legal residence of an individual's living parents or legal guardian prima facie evidence of the individual's legal residence. This means that, at first view without further investigation or presentation of evidence, the legal residence of the applicant is the same as that of his or her living parent(s) or legal guardian. That prima facie evidence may be rebutted or reinforced by other evidence relative to the applicant's age and general circumstances. Generally speaking, for an applicant with out-of-state parents, the older the applicant and more independent the applicant is from his or her parents, the more likely it is for the applicant to be able to demonstrate domicile in North Carolina.

Additional Resources. The North Carolina State Residency Classification Manual and additional information (including information on the effect of marriage to a North Carolina resident, special treatment for certain members of the military and their dependents, statutory grace period following the loss of domicile and other specific exemptions written into general statute) are available on the University's website at http://residency.wcu.edu . This website also includes deadline information as well as links to the State Residency Committee's website and the North Carolina General Statute governing residency. The burden of proof of in-state residency status rests on the student.

Undergraduate Students

In compliance with state law, the University of North Carolina system now requires students to request a residency classification from the new Residency Determination Service (RDS). RDS is the entity responsible for all new classifications of residency in North Carolina.

The specific requirements for establishing residency for tuition purposes and for eligibility for state financial aid are prescribed by state law. A North Carolina resident for tuition purposes (and for state financial aid consideration) is a person or a dependent person (dependent according to IRS tax code - not the FAFSA definition of dependency), whose parent or legal guardian has established and maintained legal residence in North Carolina for at least 12 months.
Residence in North Carolina must be legitimate and be a permanent situation. It cannot be maintained just for the purpose of acquiring in-state tuition prior to enrollment at an institution of higher education.

Under North Carolina law, to qualify for in-state residency, you must show that you meet all of the following criteria:

- You have established your legal residence (domicile) in North Carolina
- You have maintained that domicile for at least 12 consecutive months before the beginning of the term
- You have a residentiary presence in the state
- You intend to make North Carolina your permanent home indefinitely (rather than being in North Carolina solely to attend college)

Persons not meeting the 12-month legal residence requirement may be classified as North Carolina residents for tuition purposes only if they fall within one of the limited "exception" categories authorized by the North Carolina Legislature. All others are ineligible for classification as a North Carolina "resident for tuition purposes" and will be charged out-of-state tuition and not be given consideration for state financial aid. To learn more about residency and to complete a determination, go to www.NCresidency.org.

**Graduate Students**

Consistent with North Carolina's public policy of providing the benefits of higher education as free as practicable to the people of our state, the General Assembly has placed stringent criteria on who qualifies as a bona fide resident of this state for tuition purposes. While each institution of higher education within the state must allow students a chance to demonstrate that they are bona fide residents of the state pursuant to the provisions of the NC State Residence Classification Manual and applicable laws, the burden of proof of in-state resident status for tuition purposes rests on the student.

**Residency Deadlines:**

All applications must be received before the end of Add / Drop for the term or period for which an adjustment is sought. Students with pending cases must be prepared to pay the out-of-state rate until their case is resolved. Students who pay the out-of-state rate and who are later determined to be eligible for the in-state rate, will receive a refund for the difference.

**Contact Information:**

Graduate School
110 Cordelia Camp Building
Cullowhee NC 28723
grad@wcu.edu
(828) 227-7398
Local Campus Appeals

Appeal Procedure. A student, who has exhausted the residency application procedure and has been classified as a non-resident for tuition purposes may request an appeal of that decision to the Residency Appeals Board pursuant to the "Policy and Procedures for Determining Residence Status for Tuition Purposes." This request must be in writing to the Chairperson of the Residency Appeals Board and must be submitted to the address listed below at least 15 business days from the date of the issuance of the letter of determination. The request may consist simply of the statement, "I wish to appeal the decision of my residence classification for tuition purposes." It must be dated and signed and should indicate the applicant's WCU student identification number, academic term, mailing address, email address, and phone number.

Request for appeal of residency should be mailed to the following address:

WCU Office of Admission
Attn: Residency Appeal Chairperson
102 Camp Building
Cullowhee, NC 28723

Appeals to State Residency Board

The student has the right appeal on campus. If the campus appeal is denied, the local campus appeal information will be sent to the student with instructions on how to appeal to the state residency board.

Veteran's Choice Act

To qualify for the in-state tuition under the Veterans Choice Act, the student must start school within three years of the service member's separation from the military and the student must be using either Post 9/11 (Chapter 33) or Montgomery GI Bill (chapter 30) education benefits. More information on the Veteran's Choice Act can be found here at Military Student Services: http://www.wcu.edu/learn/academic-services/military-student-services/AdditionalResources.asp.

The Financial Aid Office administers programs that assist students in meeting educational costs while attending Western Carolina University. Awards are offered based on both need and academic eligibility. Applications for consideration of eligibility are filed annually at no cost to the student and family. Students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA must be submitted as soon as possible after October 1 of each year preceding the student's enrollment. The FAFSA can be accessed online at www.fafsa.gov. Use School Code 002981 to indicate Western Carolina University as a recipient of the information. The application should be completed as accurately as possible and should conform to income tax information, since discrepancies require resubmission of information and consequent delay. The receipt of FAFSA information generally
completes the application process, provided applicants are not selected for verification, which requires additional documents. Since the most attractive sources of financial assistance are very limited, applicants are encouraged to complete the FAFSA by the institutional priority date of January 1. Failure to complete the application may result in the loss of institutional grants or scholarships. Federal guidelines regarding student financial aid require that a recipient be making "satisfactory academic progress" toward a degree. A student must be progressing both qualitatively and quantitatively toward graduation within a prescribed time frame. To comply with these guidelines, Western Carolina University has defined minimum satisfactory academic progress for a full-time undergraduate student to remain eligible for financial aid per the following criteria:

- All undergraduate students must complete (earn) at least 67 percent of all semester hours attempted at Western Carolina University
- Students must maintain a cumulative GPA of 2.0

Maximum Time Frame

A student cannot receive any financial aid funding after he or she has attempted 150 percent of the hours required to earn a degree. For example, students in programs requiring 120 hours earned for graduation will be eligible for financial aid during the first 180 attempted hours as an undergraduate. All attempted hours are counted, including transfer hours, whether or not financial aid was received or the coursework was successfully completed. The 150 percent figure allows for double majors or change of majors.

Notification of Awards

Notification of awards, beginning with completed applications for aid received prior to January 1, will begin February 1 and will continue thereafter.

Types of Aid

Three principal types of aid are available

1. Grants and scholarships, which do not have to be repaid
2. Loans, usually long-term and low-interest, to be repaid after the student leaves college or drops below half-time enrollment and

Grants and Scholarships

Grants

Eligibility for federal, state and institutional grants is based on financial need as determined by a formula of the US. Department of Education that is applied uniformly to
all applicants. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for grant eligibility.

**UNC Campus Scholarship**

The UNC Campus Scholarship awards grant funds to advance the academic benefits of a diverse student body. These limited funds are awarded to North Carolina residents who demonstrate financial need and who would bring an element of diversity to Western Carolina University's campus environment. All applicants must apply for financial assistance by completing the Free Application for Federal Student Aid (FAFSA).

**UNC Campus Scholarships for Native Americans**

Under this Board of Governors program, North Carolina residents demonstrating need who are Native Americans enrolled in a tribe recognized by North Carolina are eligible. All applicants must apply for financial assistance by completing the Free Application for Federal Student Aid (FAFSA). Students must demonstrate financial need.

**Federal Supplemental Educational Opportunity Grants**

This program provides funds through participating educational institutions to undergraduate students with exceptional financial need who would be unable to enter or remain in an institution of higher education without such assistance. This grant is generally awarded only to students who are eligible for Pell Grants.

**North Carolina Tuition Grants**

Established by the General Assembly of North Carolina, these grants are awarded to North Carolina residents who are eligible for Pell Grants. The value of the grant is determined by the Pell Grant eligibility.

**University of North Carolina Need-Based Grant**

Students must be North Carolina residents for tuition purposes and enrolled in at least six credit hours at one of the UNC system universities. Eligibility is based on a calculation of need, using income data from the Free Application for Federal Student Aid (FAFSA). Award amounts may vary, based on legislative appropriations.

**North Carolina Education Lottery Scholarship**

Students must be North Carolina residents for tuition purposes and enrolled in at least six credit hours at one of the UNC system universities. Eligibility is based on a calculation of need, using income data from the Free Application for Federal Student Aid (FAFSA). Award amounts vary, based on an estimated family contribution of $5,000 or less.
Western Carolina University is proud to recognize many of the generous contributors who have funded endowed scholarships for deserving students. These scholarships have a wide variety of criteria including academic merit, financial need, program of study, county of residence, demonstrated leadership, community service, talent, or campus involvement. For a full scholarship listing, please visit https://www.wcu.edu/apply/scholarships/.

To be considered for these scholarships, new and continuing students must submit the online scholarship application each year. The University Scholarship Committee works in conjunction with departmental scholarship committees to select scholarship recipients in the spring for the following academic year. To be considered for need-based scholarships, students must also submit the Free Application for Federal Student Aid (FAFSA) by the priority filing deadline and demonstrate financial need as determined by Federal Methodology.

**Academic Scholarships**

Each year, WCU awards hundreds of thousands of dollars in scholarships recognizing academic achievement. These scholarships are awarded based on academic credentials presented during the admission process, and a separate application is not required. These scholarships are highly competitive and students should apply for admission by November 15 to ensure consideration.

**Performance Scholarships**

Scholarships are also available to students with demonstrated talent in the performing arts or athletics. For more information about athletic scholarships, please contact the WCU Athletics Department. Scholarships for the performing arts are awarded by audition.

**Loans**

**Federal Student Loans**

Eligibility for federal loans is determined by a formula of the U.S. Department of Education that is applied uniformly to all applicants. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for loan eligibility. For a full federal student loan listing, please visit https://studentaid.ed.gov/sa/types/loans.

**Private Student Loans**

These loans are non-federal loans, made by a lender such as a bank. For more information on private student loans, please visit:

**Direct PLUS Loan for Parents**
These loans provide funds to parents to help meet the cost of education. They may borrow up to the cost of education per child minus other financial aid. Borrowers are subject to a credit check upon application. There is an origination fee with a variable interest rate. Interest starts accruing upon disbursement of funds. The repayment period begins at the time the PLUS loan is fully disbursed, and the first payment is due within 60 days after the final disbursement, unless a deferment option is selected. For more information on Direct PLUS loans, please visit https://studentaid.ed.gov/sa/types/loans/plus.

Federal Work-Study Program

Eligibility for Federal Work-Study is based on financial need as determined by a formula of the U.S. Department of Education that is applied uniformly to all applicants. The Federal Work-Study Program provides part-time jobs for students with financial need, allowing them to earn money to help pay educational expenses. The program encourages community service work and work related to the student's course of study. Students must complete the Free Application for Federal Student Aid prior to January 1 to determine eligibility. For information on Federal Work-Study, please visit https://studentaid.ed.gov/sa/types/work-study.

Resident Assistants

Positions as assistants in the residence halls are available to qualified undergraduate students. Contact the Department of Residential Living.

Other Part-time Work Opportunities

A part-time job service for students is operated through the Center for Career and Professional Development Office. All non-work-study job opportunities on the campus and some off-campus jobs are posted with the Center for Career and Professional Development. Students should check the on-line posted vacancies at http://jobcat.wcu.edu.

Veterans Administration Programs

Most veterans who served on active duty for more than 180 days, any part of which occurred after January 31, 1955, are generally eligible for financial support. For more information, please visit http://www.benefits.va.gov/gibill/.

Vocational Rehabilitation Assistance

Assistance covering fees, books, and supplies is provided. To be eligible, an individual must have a disability that interferes with employment; show reasonable promise of becoming suitably employed within an acceptable period; and be of, or close to, working age. Further information can be obtained from local Vocational Rehabilitation offices.
For more information regarding veteran benefits, please visit:
Academic Regulations & Policies

Each annual undergraduate catalog issue of The Record becomes effective at the opening of the fall term. To receive a degree, a student must satisfactorily complete all requirements of the catalog in effect when a major is declared. A student who leaves the university for a period of one calendar year or longer and then returns is required to meet the major requirements in effect at the time of return. A student who changes to another major is required to meet the requirements in effect at the time of the change. A student who takes longer than seven years to graduate may become subject to current catalog requirements. Exceptions to these policies may be necessitated by changes in course offerings, degree programs, or by action of authorities higher than the university; but every effort will be made to avoid penalizing the student for such curricular changes.

By exercising a written option, a student may choose to graduate under the terms of a catalog in effect at a time of graduation. Students should discuss this option with their academic advisor, who will notify the Registrar's Office of the desired change.

Courses listed in the catalog are offered at times appropriate for maximum availability to students; listings for each term are prepared well in advance. The university reserves the right to withdraw a course if enrollment is insufficient to justify offering it at the time planned.

Every effort has been made to assure the accuracy of this catalog to the extent possible at press time. Changes in or elimination of provisions contained herein on any and all matters may be made and applied before the next published catalog. However, the latest information is maintained on line under the Office of the Provost and the Registrar's Office.

Scholastic Status Check. Students are expected to know the information in the catalog and to verify that they are meeting qualitative and quantitative requirements for a particular class rank and for proper progress toward graduation. All students should check official records, degree audits, and transcripts periodically to confirm their status. The university does not assume responsibility for the student's unexpected failure at the last minute to meet all requirements for graduation, whether failure is due to misunderstanding or negligence concerning those requirements or to an inability to meet them.

Registration

Registration occurs before the beginning of each semester at dates/times announced by the University Registrar. As a general rule, students can register as long as the following conditions are met:

- Academic standing permits registration,
- The student's graduation (or intended term of graduation) does not precede the term for which the student is attempting to register,
• The student is currently enrolled or has been enrolled in one or more of the last three semesters including summer (see Interruptions in Enrollment below)
• The student has been advised and given a registration PIN (if the student type requires advising and registration PIN to register for classes).

**Late Registration.** Except under special conditions, no student is permitted to register or add courses after the schedule adjustment period (add/drop) ends. There is a per-course late fee for all registration performed after add/drop ends. No late registration is permitted after the tenth day of the term, which coincides with when the institution submits census enrollment to the State. Late Registration dates are announced in the academic calendar and conditions are strictly enforced for those students permitted to drop or add courses during Late Registration, a late registration fee will be charged.

**Post-Graduation Registration.** Students who complete an undergraduate degree and graduate and who wish to continue their enrollment at the undergraduate level following graduation will be permitted to do so provided their resumed enrollment takes place less than three consecutive semesters after they graduate. See Stop-outs below. Students seeking to continue must notify the Registrar's Office. Students who wish to take graduate level classes after completing their baccalaureate degree must apply for admission to the Graduate School. Graduate students who wish to continue their enrollment upon graduation must reapply.

**Interruptions in Enrollment.** Interruption of enrollment of one or more terms may: (1) jeopardize a student's ability to return to or complete a specific program of study, (2) disrupt course sequence toward program completion, (3) necessitate submission of additional documentation prior to registration, (4) delay graduation, or (5) negatively impact scholarship or financial aid eligibility. Some programs require or recommend continuous enrollment. Performance at another institution during a student's absence has bearing upon a student's ability to continue enrollment at WCU. Before interrupting enrollments, students should become familiar with potential ramifications that an absence in enrollment may have in terms of their ability to return or to complete a specific program. Stop-Outs. Students whose enrollment is interrupted for three consecutive semesters (any combination of fall, spring summer) are required to seek readmission.

**Course Information**

All courses offered by the university are listed in the Course Descriptions section of this catalog. For the full description of graduate courses, refer to the graduate catalog. If the entry for an undergraduate course does not carry the full description, refer to the listing for the field of study designated by the parenthetical course prefix and number.

**Guide to Course Numbers**

**Numbering System.** Each course is identified by means of a course prefix and a three-digit number. The first digit of the number designates the level of the course and indicates the minimum class rank a students should have achieved to enroll in the course. Some course numbers within the numbering system are reserved for special use.
01-100  Noncredit courses which are not applicable to degrees

101-199  Courses for freshmen

190-199  First-Year Seminar courses

200-299  Courses for sophomores

300-399  Courses for juniors

400-499  Courses for seniors

500-799  Masters-level courses

800-999  Doctoral-level courses

Students should not enroll in courses numbered above their class rank without the permission of the department offering the course. Undergraduate students may not enroll in graduate-level courses for either undergraduate or graduate credit.

The category of liberal studies to which each course applies may be found in the liberal studies requirements section. The applicable category also is indicated by the parenthetical code at the end of each course description.

<table>
<thead>
<tr>
<th>Core</th>
<th>Perspectives</th>
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<tbody>
<tr>
<td>C1  Writing</td>
<td>P1  Social Sciences</td>
</tr>
<tr>
<td>C2  Mathematics</td>
<td>C5  Physical and Biological Sciences</td>
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<tr>
<td>C3  Oral Communication</td>
<td>P3  History</td>
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<tr>
<td>C4  Wellness</td>
<td>P4  Humanities</td>
</tr>
<tr>
<td></td>
<td>P5  Fine and Performing Arts</td>
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<tr>
<td></td>
<td>P6  World Cultures</td>
</tr>
</tbody>
</table>

**Reserved Course Numbers.** Numbers 293, 294, 393, 394, 493, 494, 593, 594, 693 or 694 are reserved for special topics. The number 389 is reserved for cooperative education undergraduate courses, and the number 589 is reserved for cooperative education graduate courses. Within the sequences 480-499, 580-599, 680-699, and 780-799, the second and third digits of the numbers are assigned to special types of courses:
80-82 Independent study and directed-readings courses
83-89 Internships, practicum, and special applied field projects
90-92 Student teaching
93-94 Special topics courses
95-98 Seminars
699 Thesis
779 Continuing Research - Non-Thesis Option
799 Continuing Research - Thesis Option
999 Continuing Research - Dissertation

Credits and Class Meetings. Unless otherwise indicated at the end of the course description, the number of hours a class meets each week is the same as the credit-hour value of the course. The credit-hour value of each course is indicated immediately following its title. In variable credit courses, the minimum and maximum hours are shown as follows: 1-3. Unless repeat credit is specified in the course description, a course may be applied only once toward the hours required for graduation. The availability of a course for repeat credit and the maximum hours that may be earned are indicated immediately following the credit-hour value of the course as follows: 3, R3. In this example, the course carries 3 hours of credit and may be repeated 3 times for a total maximum of 9 hours applicable toward a degree.

Prerequisites and Co-requisites. A prerequisite is any special requirement, usually one or more background courses or requirements other than class rank, that must be met before enrolling in a course specifying the prerequisite. A co-requisite is any course which must be taken during the same term as the course that specifies the co-requisite.

Experiential Courses. The maximum credit in experiential courses that may be applied toward a degree within the minimum of 120 or 128 hours required in all bachelor's programs is 26 semester hours (20 percent). The maximum credit that may be earned in cooperative education or applied field project courses/internships or in any combination of the two is 15 hours.

Credit is awarded in experiential courses on the basis of a minimum of three contact hours per credit hour.

Cooperative Education Courses. Students participating in a cooperative education work term are registered for a 389 course in the major department, or in the department most closely related to the work experience. To be eligible, a student must be at least a
sophomore and have a GPA of 2.0 or above. Exceptions must be approved by the
departmental co-op placement advisor. A full statement of the requirements for academic
credit is available from the Center for Career and Professional Development. Academic
assignments and work performance are used to evaluate the student on an S/U basis.

**Special Topics Course Policy.** Courses numbered 293, 294, 393, 394, 493, 494, 593,
594, 693 or 694 are for special topics that reflect a student's or faculty member's special
interest not covered by regular departmental curriculum offerings. Credit in these courses
varies from one to four credit hours, to be determined by the department for each
offering. Students may take up to 12 hours of special topic credit in a single
department/program. A particular topic can be taught as a special-topic course at most
two times in a five-year period. If a department/program wishes to teach a particular topic
course more than twice in a five year period, it must propose the topic as a regular course,
subject to the curriculum review process.

**Guide to Course Prefixes**

**Course Prefixes.** The prefixes used to designate courses, except in the case of very short
names such as art, are abbreviations of the names of departments or of fields of study
within the departments.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Field of Study</th>
<th>Department/College</th>
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</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
<td>School of Accounting, Finance, Information Systems and Business Law</td>
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<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>Anthropology and Sociology</td>
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<td>ART</td>
<td>Art</td>
<td>School of Art and Design</td>
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<td>ASI</td>
<td>Arts and Sciences</td>
<td>College of Arts and Sciences</td>
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<td>Interdisciplinary</td>
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<td>AST</td>
<td>Astronomy</td>
<td>Chemistry and Physics</td>
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<td>ATTR</td>
<td>Athletic Training</td>
<td>School of Health Sciences</td>
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<td>BA</td>
<td>Business Administration</td>
<td>School of Economics, Management and Project Management</td>
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<td>BIOL</td>
<td>Biology</td>
<td>College of Arts and Sciences</td>
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<td>Human Services</td>
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<td>Code</td>
<td>Program</td>
<td>College/Department</td>
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<td>BKSE</td>
<td>Birth-Kindergarten / Special Ed</td>
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<td>CIS</td>
<td>Computer Information Systems</td>
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<td>CJ</td>
<td>Criminal Justice</td>
<td>Criminology and Criminal Justice</td>
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<td>CLS</td>
<td>Clinical Laboratory Sciences</td>
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<td>CM</td>
<td>Construction Management</td>
<td>Kimmel School of Construction Management and Technology</td>
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<td>CS</td>
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<td>Mathematics and Computer Science</td>
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<td>CSD</td>
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<td>College Student Personnel</td>
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<td>DA</td>
<td>Dance</td>
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<td>ECET</td>
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<tr>
<td>ND</td>
<td>Nutrition and Dietetics</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>NRM</td>
<td>Natural Resources Management</td>
<td>Geosciences and Natural Resources</td>
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<tr>
<td>NSG</td>
<td>Nursing</td>
<td>School of Nursing</td>
</tr>
<tr>
<td>PA</td>
<td>Public Affairs</td>
<td>Political Science and Public Affairs</td>
</tr>
<tr>
<td>PAR</td>
<td>Philosophy and Religion</td>
<td>College of Arts and Sciences</td>
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<tr>
<td>PE</td>
<td>Physical Education</td>
<td>School of Teaching and Learning</td>
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<tr>
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<td>Physics</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>PM</td>
<td>Project Management</td>
<td>School of Economics, Management and Project Management</td>
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<td>PMC</td>
<td>Project Management Certificate</td>
<td>School of Economics, Management and Project Management</td>
</tr>
<tr>
<td>PRM</td>
<td>Parks and Recreation Management</td>
<td>Human Services</td>
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<td>PSC</td>
<td>Political Science</td>
<td>Political Science and Public Affairs</td>
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<tr>
<td>PT</td>
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<tr>
<td>Code</td>
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</tr>
<tr>
<td>------</td>
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<td>------------------------------------------</td>
</tr>
<tr>
<td>QA</td>
<td>Quantitative Analysis</td>
<td>School of Economics, Management and Project Management</td>
</tr>
<tr>
<td>RTH</td>
<td>Recreational Therapy</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>SAE</td>
<td>Science and Entrepreneurship</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>SCI</td>
<td>Science Education</td>
<td>Biology; Chemistry and Physics; Geosciences; Natural Resources</td>
</tr>
<tr>
<td>SM</td>
<td>Sport Management</td>
<td>School of Entrepreneurship, Hospitality &amp; Tourism, Marketing and Sport Mgt.</td>
</tr>
<tr>
<td>SOC</td>
<td>Sociology</td>
<td>Anthropology and Sociology</td>
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<td>SOCW</td>
<td>Social Work</td>
<td>College of Health and Human Sciences</td>
</tr>
<tr>
<td>SPAN</td>
<td>Spanish</td>
<td>World Languages</td>
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<td>SPED</td>
<td>Special Education</td>
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</tr>
<tr>
<td>THEA</td>
<td>Theatre Arts</td>
<td>School of Stage and Screen</td>
</tr>
<tr>
<td>USI</td>
<td>University Studies, Interdisciplinary</td>
<td>Academic Affairs</td>
</tr>
<tr>
<td>WLL</td>
<td>World Languages and Literatures</td>
<td>World Languages</td>
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</table>
Credits, Grades, and Quality Points

The basic unit of credit is the semester hour. A semester hour represents one lecture recitation hour and a minimum of two hours of out-of-class student work or an equivalent amount of work in courses designated as a laboratory, internship, practicum, clinical, or studio, etc.

Course Load for Undergraduates

The minimum full-time course load during a fall or spring semester is 12 hours. A normal load is 16 hours; however, a student may take up to 18 hours. Any schedule that exceeds 18 hours constitutes an overload and must be approved by the student's advisor and the appropriate administrators as indicated on the request and approval form. Twelve hours is the maximum that may be earned in experiential courses during a semester. The maximum summer session course load for any student is 16 hours. Any schedule that exceeds 12 hours (or 6 hours during any one session or 4 hours during the mini-semester) constitutes an overload and must be approved by the student's advisor or department head and the appropriate administrators as indicated on the request and approval form. Undeclared students must obtain approval from the Advising Center and the Office of the Provost.

Classification

Regular degree-seeking undergraduates are classified based upon cumulative hours earned:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Freshman</td>
<td>0-29 hours</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59 hours</td>
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<tr>
<td>Junior</td>
<td>60-89 hours</td>
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<tr>
<td>Senior</td>
<td>90 or more hours</td>
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Grading and Quality Point System*

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
<th>Quality Points per Semester Hour</th>
<th>Grade</th>
<th>Interpretation</th>
<th>Quality Points per Semester Hour</th>
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<tbody>
<tr>
<td>A+</td>
<td>Excellent</td>
<td>4.0</td>
<td>I</td>
<td>Incomplete</td>
<td>--</td>
</tr>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
<td>IP</td>
<td>In Progress</td>
<td>--</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.67</td>
<td>S</td>
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<td>--</td>
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<tr>
<td>Grade</td>
<td>Grade Point</td>
<td>Mark</td>
<td>Grade Definition</td>
<td>Notes</td>
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<td>-------------</td>
<td>------</td>
<td>---------------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td><strong>B+</strong></td>
<td>3.33</td>
<td>U</td>
<td>Unsatisfactory</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>W</td>
<td>Withdrawal</td>
<td>--</td>
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<tr>
<td><strong>B-</strong></td>
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<td>WF</td>
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</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>AU</td>
<td>Audit</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>NC</td>
<td>No Credit</td>
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<td></td>
</tr>
<tr>
<td><strong>C-</strong></td>
<td>1.67</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td></td>
<td>Poor</td>
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<td></td>
</tr>
<tr>
<td><strong>D-</strong></td>
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<td></td>
<td></td>
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<tr>
<td>F</td>
<td>0</td>
<td>WF</td>
<td>Withdrew/Failing</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

*See Graduate Catalog for the graduate-level grading system.

The grades of A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D- and F indicate gradations in quality from Excellent to Failure. Please note that a C- grade is less than satisfactory and may not meet particular program and/or course requirements.

Students must be familiar with the class attendance, withdrawal, and drop-add policies and procedures.

**Incomplete.** The instructor may grant a student an I grade for work not completed if the student has a reasonable prospect of passing the course by making up the work missed and if the incompleteness is unavoidable and not caused by the student's negligence. All incomplete grades must be removed and a grade of A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D- and F, S, or U must be submitted to the registrar. The work must be made up and a grade received by the registrar by the last day of classes of the next regular semester (excluding summer), or the grade will become an F. A student may not re-register for the course until the I is removed or changed to an F. The instructor is required to list the conditions to remove the I and send them to the department head. If the instructor is no longer employed by the university, the department head will remove the I upon completion of the stated requirements. In extenuating circumstances, students should refer to the "Academic Appeals Procedure" section in The Record.

**In Progress.** An IP (In-Progress) is assigned only in courses that have been approved for IP grading. An IP grade indicates that a grade is pending until the sequence of courses is
completed. A grade of IP is appropriate as long as work remains in progress. Once work is complete the IP grade will be replaced with an evaluative grade appropriate for the course. If a student changes programs, or changes options within a program such that credit is no longer needed to complete program requirements; or if the student ceases enrollment and the work is not completed within a year, an evaluative grade will not be issued and the IP grade will be administratively replaced with NG (No-Grade) to indicate that work is no longer in progress.

**Satisfactory-Unsatisfactory.** S/U grading is limited to courses in which standard or traditional grading is rendered difficult by the nature and purpose of the material. There is no limit on the credit hours a student may earn in S/U grades, but not all courses are approved for S/U grading. S/U grades may not be awarded in courses unless specified in the course descriptions in this catalog and in the master class schedule. S and U are the only grades that can be assigned in these courses. Neither S nor U is used in calculating the GPA, but an S allows hours of credit while a U does not.

**Audit.** When space is available, a registered student may audit a course with the approval of the advisor, the instructor, and the head of the department offering the course. To enroll, the student must submit a completed course audit form. Change from audit to credit, or the reverse, is permitted only during the regular schedule adjustment period. No credit is earned for auditing, but the audited course must not add hours in excess of the student’s maximum load. An audited class will be noted on the student's transcript. Audit courses do not count toward the twelve hours required for full-time enrollment. Participation in class activities is optional; students should negotiate such conditions with the instructor before seeking permission to audit. Tuition and fees for audited courses are determined by the courses' hour value.

**Graduate-Level Courses.** Approved grades for graduate-level courses (500 and above) are: A, B, C, F, I, W, AU, IP, S and U. There is no passing grade below a C. Plus/Minus grades are not used. *See Graduate Catalog for additional details regarding the graduate level grading system.

**Final Grade Changes.** When a grade other than incomplete is reported officially by an instructor at the end of a term, the grade is recorded and can be changed only if an error was made in estimating or reporting it. Grade changes must be submitted by the instructor and approved by the instructor's department head and dean. Only the instructor can change the grade in a course except as provided in the incomplete grade policy. Grade changes are initiated from the instructor menu within MyWCU. In case of student appeal or academic integrity violation, the final grade may be determined by the appropriate appeal body as part of sanctions (see Academic Integrity Policy). Any request by a student for a change in a final grade must be submitted to the instructor within 35 days after the end of final exams.

**Transcripts.** Transcripts may be ordered online at http://transcript.wcu.edu for a nominal fee. Current students who request a transcript through their student portal account (myWCU) will not be charged the transcript fee. Additional fee may be assessed
depending on format and handling options selected. Transcripts are available on paper or in electronic (PDF) format. Transcripts are furnished only after accounts are cleared.

The forgery of transcripts and diplomas or the use of such documents with intent to defraud is illegal under North Carolina law. Appropriate action will be taken.

**Withdrawal Policies and Procedures**

Sometimes, students may find it necessary or advisable to withdraw from one or more courses during a term. In some cases, students may find it necessary to withdraw from the university.

**Course Withdrawals**

After consultation with their academic advisor and the instructor of the course, students may withdraw from any course before one half of the term has expired. Course withdrawals must be completed in the student portal (MyWCU). Students are not permitted to withdraw from courses after the withdrawal deadline published by the Registrar's Office. Course withdrawals affect satisfactory academic progress, which also affects academic standing. (See academic standing.) Courses from which students withdraw do not count toward the 12 hours required for full-time enrollment, and no refund is given for courses from which students withdraw.

Students may withdraw from a maximum of 16 hours of courses during their career at Western Carolina University and receive a grade of W. Any withdrawal beyond the limit will result in a Withdrawn-Failing (WF) which will affect the semester and cumulative GPA as if it were an F.

**Term and University Withdrawal**

During the fall and spring semesters, a student may find it necessary to withdraw from all enrolled courses during that semester. Term and University withdrawals are permitted up through the last withdrawal date as indicated by the Registrar's Office. During summer sessions, a University withdrawal occurs only if the student withdraws from all summer sessions. Term and University withdrawals will affect satisfactory academic progress and course completion rates, but will not count towards the student's 16-hour course withdrawal limit. Students who withdraw from the university must reapply for admission before being allowed to re-enroll. Students who withdraw from the term may continue their enrollment the next semester providing their academic standing permits registration.

Term and University withdrawals are initiated in the Advising Center, located in 214 Killian Annex. Students who withdraw from the university will receive a grade of "W" ("Withdrawn") for all courses in which they were enrolled. The "Fees, Expenses and Financial Aid" section of this catalog provides information regarding the effects of University withdrawal upon tuition and fee payments and financial aid.
After the Withdrawal Deadline. Three exceptions to the University withdrawal policy will allow a student to withdraw from all courses. The exceptions are medical withdrawals, withdrawals for deployment or other military contingency, and withdrawals for extenuating circumstances.

Medical Withdrawals

Withdrawal for Medical Reasons:

Western Carolina University is under no obligation to grant a medical withdrawal after the withdrawal deadline if a grade has been issued or if final examinations have been taken. W’s entered on the permanent record as a result of a withdrawal from all classes for medical reasons will affect satisfactory academic progress and course completion rates but will not count toward student's 16-hour course withdrawal limit. Physicians or their designees at Western Carolina University Student Health Services review all medical withdrawals and evaluate the medical documentation. Medical withdrawals are of two types:

Regular medical withdrawal (withdrawal for current semester) may be granted under these conditions:

- Requires medical documentation from a private physician, psychiatrist, psychologist, or therapist. Students who have not been seen at Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services, must obtain appropriate medical records from an outside provider.
- Requires documentation from outside providers to a designated Western Carolina University physician or counselor. Documentation may be delivered by mail, by fax, or hand-delivered, but it must be in writing. This documentation must specifically recommend withdrawal, and it must give a specific date of withdrawal.
- Will not be granted if any final examinations for the current semester have been taken.

Retroactive medical withdrawal (withdrawal for a previous semester) may be granted under these conditions:

- Requires medical documentation from a private physician, psychiatrist, psychologist, or therapist. Students who have not been seen at Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services must obtain appropriate medical records from an equivalent outside provider.
- Requires documentation from outside providers to a designated Western Carolina University physician or counselor. Documentation may be delivered by mail, by fax, or hand-delivered, but it must be in writing. This documentation must specifically recommend withdrawal and it must give a specific date.
• Students who attempt the final exam in a class will not be allowed to medically withdraw.

• Retroactive withdrawals must be completed by the end of the next regular semester (fall or spring).

**Medical Withdrawal from One Course:**

• A student may not typically withdraw for medical reasons from individual courses, including courses in which penalty grades were assigned as a result of academic misconduct. A request to withdraw from a course or to reduce a student's academic load is not a university medical withdrawal.

• Students who wish to withdraw from fewer than all their current classes for medical reasons may appeal to the dean of the division in which the course or courses are being offered. In these cases, the student must provide documentation to the dean from Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services regarding the medical problem treated at Western Carolina University Student Health Services or Counseling and Psychological Services. Students who have not been seen at Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services must obtain appropriate medical records from an equivalent outside provider.

Western Carolina University is under no obligation to grant a medical withdrawal if final examinations have been taken. Such situations must be handled as grade replacements. A notation of "W" is entered on the permanent record of the student for all withdrawals from the University for Medical Reasons and will affect satisfactory academic progress and course completion rates but will not count towards the student's 16-hour course withdrawal limit.

**Military Deployment or Other Withdrawals**

Contingency: Students called to active military service during an academic term may choose one of the following two options:

• The student may request retroactive withdrawal to the beginning of the semester, with a full refund of tuition and fees.

• If at least 75 percent of the term has been completed, the student may request that the faculty member assign a grade for the course based on the work completed. The final decision about grading is left to the faculty member.

If the faculty member assigns a grade of "I," the student must complete course requirements within one semester or make alternative arrangements with the faculty member (see "Incompletes" under "Credits, Grades and Quality Points").

Students who enlist in the military will be subject to the regular withdrawal process.
Extenuating Circumstance Withdrawals

Withdrawals from the University for Extenuating Circumstances:

Students can petition the Office of the Provost to withdraw from the University for extenuating circumstances. Extenuating circumstances may include death or serious illness within the immediate family, major life event in the family (e.g. loss of home, incarceration), financial hardship, pregnancy, and others as deemed appropriate by a member of the Office of the Provost. Withdrawal for extenuating circumstances will affect satisfactory academic progress and course completion rates but will not count towards the student's 16-hour withdrawal limit.

Class Attendance Policy

I. General Attendance Policy

All students are expected to attend and participate in all meetings of the courses in which they are enrolled; any absence is incurred at the students' own risk.

Each instructor will establish the attendance requirements, make-up procedures, and guidelines for absences in each course and the effect that irregular attendance, lack of participation, and inadequate preparation will have upon a student's grade. Attendance requirements and their relationships to grades shall reflect the norms of the department and college and should not conflict with university policy. The instructor will distribute written attendance policies to students at the beginning of each term as part of the course syllabus. An instructor may establish special and more demanding attendance requirements for students who are performing less than satisfactorily. Each student is responsible for complying with the announced procedures for making up missed work.

Institutional funding is based in part on enrollment; therefore, instructors must report first-week and second-week attendance through MyWCU on all students before to census day. The Registrar's Office will distribute deadlines and instructions for reporting first- and second-week attendance in a timely manner. Instructors who submit non-passing grades are required to report 'last day of attendance" on the final grade roster.

Students with more unexcused absences than the credit hours given for a course (for example, three absences in a three-hour course) can expect the instructor to lower their final grade, especially in a 100-(first year) or 200-(sophomore) level course. Missing approximately 10 percent or more of class meeting times (for example, four to five MWF classes, three TR classes, or one laboratory or a class that meets once per week) means losing a significant amount of class work and experience that are very difficult, or impossible, to make up. Class attendance may be required of undergraduate students as a condition of admission or readmission to the university or of eligibility to continue enrollment.

II. University Sponsored Absences
In addition to a documented and bona fide medical emergency, the death of an immediate family member, or pre-arranged absence for religious observance, excused absences are granted for university events such as the following:

- Performances and events sanctioned by the Chancellor to promote the image of the university
- Regularly scheduled university team competitions (athletic and otherwise) including postseason play (practices and training sessions are excluded)
- Student engagement sponsored by the institution and approved by the Provost (for example, research presentations and performances at national conferences or events).

Instructors are expected to honor valid university-sponsored absences if students notify them of the approved absence at least one week before the date of absence, or as far in advance as is feasible. A student who misses class work because of a university-sponsored absence is responsible for contacting the instructor within one class meeting after returning to make instructor-approved arrangements for a make-up. University excused absences should not lower a course grade if the student is maintaining satisfactory progress in the class and has followed the instructor's make-up procedures. Class experiences that are impossible to make up should be discussed during the first week of classes when students have sufficient time to drop the course.

Students who anticipate missing many classes (that is, 10 percent or more of class time) are required to discuss this issue with the instructor during the first week of classes to determine the possible mitigation or consequences. Courses in professional programs with accreditation or licensure requirements should not be taken during a semester when a student anticipates frequent absences.

Trip or activity sponsors must obtain written permission to travel from the appropriate entity as soon as possible and must give each student a copy of the approved request. Students must provide the request to instructors of their other courses as soon as possible, but ideally at least one week before the day of the absence(s). The request should contain the name of the sponsor and group, the purpose, date(s), time and location of the event, and the names of participating students.

Forms for University Sponsored Absence and Class Absence due to Required Religious Observance are available on the Registrar's webpage at http://registrar.wcu.edu (select Forms & Resources).

III. Absences Related to Individual Courses

Individual class requirements such as field trips, field research, or service learning activities are not considered institutional events, but may be integral components of the curriculum. Faculty who sponsor outside activities may request other faculty to excuse students from their classes so they may attend the outside event. Faculty of the other courses are encouraged to support the requests when it is reasonable to do so; however, individual faculty of the other courses will determine whether to excuse the absence. Should students be unable to attend the outside class event because of required
attendance in other classes, they will not be penalized by the professor offering the outside activity.

IV. Drop for Non-Attendance

An instructor will have the discretion to cancel a student’s registration for a course if the previously registered student fails to attend the first class meeting and fails to notify the instructor before the end of the first day of class. Students may re-register for the course on a seats-available basis up through the end of drop/add (fifth class day of semester). For courses in sessions other than the full semester (for example, eight-week, and summer session courses), instructors may request a drop for non-attendance before the fifth class day of the session.

Although instructors may drop students for non-attendance, students should not assume that this will occur. Students, not faculty, are responsible for dropping courses, if that is their intent, to avoid a grade of W or F.

Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis by the department head or by the appropriate dean or designee. Re-registration will not be permitted for any reason after census day (10th day of semester).

IV. Religious-Holiday Observance Policy

According to North Carolina General Statute 116-11 (3a), a student may request absences for required religious observances. WCU allows two absences each academic year for religious observances required by faith. To obtain permission to be absent for religious reasons, students must complete the Absence Due to Required Religious Observance form (available at: http://registrar.wcu.edu (select Forms & Resources)), obtain all necessary signatures, submit it to each instructor for review and approval, and submit it to the Assistant Vice Chancellor for Student Success for final approval at least two weeks prior to the proposed absence. Students are encouraged to discuss these absences with the faculty member before the end of the drop/add period in case the absence will unavoidably keep the student from completing the course's requirements. However, students who complete the form and submit it to the instructor two-weeks before the date of the religious observance, shall be given the opportunity to make up any tests or other work missed during the period of the religious observance.

VI. Military Excused Absences

Instructors are encouraged to accommodate students who are required to participate in weekly or monthly meetings, weekend drills, annual trainings, military schooling, or other training or official military events as members of the National Guard or Reserves.

Students are responsible for informing their course instructors that they are members of the National Guard or Reserves and for avoiding registering for courses in which frequent military-excused absences will significantly and substantially impact their academic learning.
Students who seek to be excused from class for Guard or Reserve duty, are encouraged to provide a copy of orders or a letter from the unit command to the course instructor and to ask the instructor about making up missed course work. The course instructor is encouraged to permit the student a reasonable amount of time to make up missed assignments. Whether students are allowed to make up missed assignments or tests depends upon faculty discretion.

If called to active military service during an academic term, students may request Military Deployment Withdrawal initiated through Military Student Services.

**Final Examination Schedules**

An end-of-course evaluation of student work is required in every credit course. End-of-course evaluation may take the form of final exams, reports, projects, performances, portfolios, research papers, conferences, etc.

Many end-of-course evaluations are written final exams. To reduce conflicts and final evaluation overloads for both students and faculty, a final examination schedule is developed by the registrar for the entire university. All final exams are to be administered at their designated times and places during final exam week. Change in time of an examination for an entire class for any reason must be approved by the head of the department, the dean of the college, the Assistant or Associate Provost, and the Chancellor.

No student is required to take more than two final exams on any one day. Any student who has three final exams scheduled on one day has the option of taking all three or submitting to the professors a written request for rescheduling. However, requests to have reschedule examinations must be made in writing at least five days before the examination is scheduled.

To reschedule, the following steps should be taken:

1. Student should request in writing a change in date from the instructor(s) of the courses that present the conflict.
2. If the conflict is not resolved, students should work with their academic advisor to have one of the exams rescheduled.
3. If the conflict still cannot be resolved, students should work with the Office of the Provost to have one of the exams rescheduled.

**Graduation and Certification**

**Application for Graduation.** Students must apply to graduate to have a degree conferred. The application for graduation can be found online in the student portal (MyWCU). Students should apply to graduate during the semester before the semester in which they will complete degree requirements. Students should pre-register for their final courses and review their degree audit to verify all requirements have been met before they apply to graduate. A graduation fee ($60) will be charged. Students who wait until the semester of graduation to apply to graduate may be assessed a late fee.
Specific deadlines for filing degree applications are listed in the Academic Calendar.

Certification and Licensure. Completion of a bachelor's degree in teacher education, nursing, or health sciences qualifies a student to seek the appropriate certification or licensure. Information about policies and procedures is available from the dean of the appropriate college. Procedures for teacher licensure are found in the College of Education and Allied Professions section of the catalog.

Academic Integrity Policy and Reporting Process

This policy addresses academic integrity violations of undergraduate and graduate students. Graduate students should read inside the parenthesis below to identify the appropriate entities that oversee academic integrity violations by graduate students.

Students, faculty, staff, and administrators of Western Carolina University (WCU) strive to achieve the highest standards of scholarship and integrity. Any violation of the Academic Integrity Policy is a serious offense because it threatens the quality of scholarship and undermines the integrity of the community. While academic in scope, any violation of this policy is by nature a violation of the Code of Student Conduct (Code) and will follow the same conduct process (see Article VII.B.1.a.). If the charge occurs close to the end of an academic semester or term or if any part has a reasonable need for additional time to gather information, timelines may be extended at the discretion of the appropriate academic Dean.

1. **General:**

   Instructors have the right to determine appropriate academic sanctions for violations of the Academic Integrity Policy within their courses, up to an including a final grade of "F" in the course in which the violation occurs.

2. **Definitions:**

   1. *Cheating* - Using, or attempting to use, unauthorized materials, information, or study aids in any academic exercise
   2. *Fabrication* - Creating and/or falsifying information or citation in any academic exercise
   3. *Plagiarism* - Representing the words or ideas of someone else as one's own in any academic exercise
   4. *Facilitation* - Helping or attempting to help someone to commit a violation of the Academic Integrity Policy in any academic exercise (for example, allowing another person to copy information during an examination)

3. **Undergraduate and Graduate Academic Integrity Process:**

   1. Within five (5) business days of the instructor's knowledge of the alleged violation of the Academic Integrity Policy, instructors will inform their department head (or associate Dean of the graduate school when applicable) in writing of the allegation and sanction(s).
2. Within ten (10) business days of the instructor's knowledge of the alleged violation of the Academic Integrity Policy, the instructor will inform the student of the allegation, including the proposed sanction(s), in writing. In the written notification, instructors will inform students of their right to request a meeting with the instructor. During the meeting, the instructor shall complete the Academic Integrity Violation Faculty Resolution Form. Students who do not submit a written request for a meeting with the instructor within five (5) business days of receipt of the written allegation(s), shall be deemed to have mutually resolved the matter and shall be bound to the sanction(s) outlined by the instructor in the written allegation. If the student does not request a meeting, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.

3. Within five (5) business days of meeting with the instructor, the student shall either appeal the decision in writing to the department head or mutually resolve the matter by accepting the allegation and proposed sanction(s). No action by the student within five (5) business days of the meeting with the instructor shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the instructor, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.

4. Within five (5) business days of receiving a student's written appeal, the department head must schedule a meeting with the student. The instructor may be present during the meeting. During the meeting, the department head shall complete the Academic Integrity Violation Department Head Resolution Form. Only information submitted during the meeting with the student, or in the meeting between the instructor and the student, may be considered by the department head. The evidentiary standard for making a decision shall be preponderance of the evidence. The department head may agree or disagree with the allegation(s) of the instructor. The department head may also approve, overturn, or modify the sanction(s) proposed by the instructor. If the student does not attend the scheduled meeting with the department head, the matter will be heard in absentia and shall not be subject to further review and/or appeal.

5. Within five (5) business days of meeting with the department head, the student shall either submit a written appeal regarding the decision or mutually resolve the matter by accepting the allegation and proposed sanction(s). The student must submit a written appeal to the academic Dean listed on the Academic Integrity Violation Department Head Resolution Form. No action by the student within
five (5) business days of the meeting with the department head shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the department head, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.

6. Within seven (7) business days of receiving a student's written appeal, the appropriate academic Dean must schedule an Academic Integrity Board hearing with the student. The Academic Integrity Board shall consist of a minimum of two (2) currently enrolled students and/or faculty members (with a minimum of one faculty member). A faculty member will serve as chair of the board. The instructor may be present during the hearing. Only information submitted during the hearing, or in the meetings between the instructor/department head and the student, may be considered by the hearing board. The evidentiary standard for making a decision shall be preponderance of the evidence. The hearing board may agree or disagree with the allegation(s) of the instructor. The hearing board may also approve, overturn, or modify the sanction(s) proposed by the instructor and/or department head. If the student does not attend the scheduled hearing, the matter will be heard in absentia and shall not be subject to further review and/or appeal. Within ten (10) business days of the hearing, the appropriate academic Dean shall review pertinent records and send the student written notification of the decision of the Academic Integrity Board.

7. Within five (5) business days of receiving written notification of the decision of the Academic Integrity Board the student may accept the findings and sanctions of the board or submit an appeal to the designated academic Dean. No action by the student within five (5) business days of the meeting with the department head shall constitute a mutual resolution and waiver of the student's rights to appeal pursuant to the Academic Integrity Policy. If the student does not respond within five (5) business days of meeting with the Academic Integrity Board, the alleged violation of the Academic Integrity Policy shall not be subject to further review and/or appeal.

8. Students who elect to file an appeal of the decision of the Academic Integrity Board, must submit a written appeal within five (5) business days of receiving written notification of the decision of the Academic Integrity Board to the designated academic Dean. An appeal to an academic Dean must be limited to the following grounds; 1) a violation or due process or 2) a material deviation from Substantive
9. If an appeal is heard by an academic Dean, that Dean shall review pertinent records within ten (10) business days of receiving a valid appeal. The academic Dean may agree or disagree with the allegation(s) of the instructor. The academic Dean may also approve, overturn, or modify the sanction(s) proposed by the instructor, department head, and/or Academic Integrity Board. Within five (5) days of making a decision, the academic Dean shall provide the student with a written decision. The decision of the academic Dean shall be final.

10. The student must remain enrolled in the course related to the case, and may not be permitted to withdraw from the course related to the case, until all hearing timelines, notifications, and/or appeals have been completed.

11. Upon resolution of each level of the case (no matter the outcome), the instructor, department head, and academic Dean must provide the Associate Vice Chancellor/Dean of Students with all materials and documents related to the case (i.e. course syllabus, materials in violation of the Academic Integrity Policy, Instructor Resolution Form, Department Head Resolution Form, Academic Integrity Board decision letter, academic Dean decision letter, etc...). The Division of Student Affairs shall serve as the repository for all records associated with allegations and violations associated with the Academic Integrity Policy.

4. **Academic Integrity Board:**

The Academic Integrity Board shall consist of a minimum of two (2) currently enrolled students and/or faculty members (with a minimum of one faculty member). A faculty member will serve as chair of the board. Students and faculty members serving on boards for each college will be selected by each college Dean. The Department of Student Community Ethics and Academic Affairs will train all board members before their service on a hearing board. Each academic Dean will convene hearing boards as necessary, and will determine a faculty member to serve as chair prior to a hearing.

5. **Sanctions:**

The instructor, department head, Academic Integrity Board, and/or academic Dean may impose academic sanctions permitted by the institution (not to exceed receiving a grade of "F" for the course). The instructor, department head, Academic Integrity Board, and/or academic Dean may not permanently remove the student from the course or suspend/expel the student from a program or the University. Student behavior of the magnitude to warrant consideration for permanently removal from the course or suspension/expulsion
from a program or the University must be referred to the Associate Vice
Chancellor/Dean of Students.

6. Habitual Violations of the Academic Integrity Policy:

Upon receipt of materials associated with violations of the Academic Integrity
Policy, the Associate Vice Chancellor/Dean of Students will determine if a
student has previous violations of University policies. Students with a prior
record of violations, or who commits a gross and/or egregious violation of the
Academic Integrity Policy, will be referred to the Department of Student
Community Ethics for consideration of being subject to hearing proceedings for
a serious academic violation as defined by the Code of Student
Conduct. Students in this category are subject to course-related sanctions
imposed by the instructor, department head, Academic Integrity Board,
and/or academic Dean and university-level sanctions imposed by the
Department of Student Community Ethics for multiple violations of University
policies.

7. Forms:

Forms related to the Academic Integrity Policy are not maintained in the
printed catalog, but can be accessed at this address on the web:
https://www.wcu.edu/experience/dean-of-students/academic-integrity.aspx

Revised - July 1, 2018

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights
with respect to their education records. These rights include:

1. 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 registrar's office written requests that identify the record(s) they wish to
inspect. The registrar's office will arrange for access and notify the student of
the time and place where the records may be inspected.

2. The right to request the amendment of the student's education records that the
student believes are inaccurate or misleading. Students who believe that their
education records contain information that is inaccurate or misleading, or is
otherwise in violation of their privacy or other rights, may discuss their
problems informally with the university director of Equal Opportunity
Programs. If the director's is in agreement with the students' requests, the
appropriate records will be amended. If not, the students will be notified within
a reasonable time that the records will not be amended, and they will be
informed by the director of Equal Opportunity Programs of their right to a
formal hearing.

3. 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. One exception that permits disclosure
without consent is disclosure to school officials with legitimate educational
interests. A school official is a person employed by the University in an administrative, supervisory, academic or 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 Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting other school officials in performing their tasks.

4. The right to file a complaint with the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-4605 concerning alleged failures by Western Carolina University to comply with the requirements of FERPA.

**Directory Information**

Western Carolina University hereby designates the following categories of student information as public or "Directory Information." Such information may be disclosed by the institution for any purpose, at its discretion.

- Student name
- Local and home address
- Telephone numbers
- Classification
- Parent/guardian
- County
- Major field of study
- Photograph
- Dates of attendance
- Degrees
- Honors and awards received
- The most recent previous educational agency or institution attended by the student
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Electronic mail (E-mail) address.

Students may withhold directory information by notifying the One Stop Student Service Center in writing within five working days from the first day of classes for the fall term, or by the first day of classes for subsequent terms. Students are warned, however, before deciding to withhold personally-identifiable data, that undesirable consequences sometimes result from withholding personal data, such as names of students on the Deans’ List not being published, names not being listed in commencement bulletins, and requests from prospective employers being denied. Forms are available at the One Stop Student Service Center and on the web at registrar.wcu.edu/forms.

Western Carolina University’s complete FERPA policy may be obtained from the One Stop Student Service Center.

**Students' Education Records at General Administration of The University of North Carolina: Annual Notification of Rights**

Certain personally identifiable information about students (education records) may be maintained at The University of North Carolina General Administration, which serves the Board of Governors of The University system. This student information may be the same as, or derivative of, information maintained by a constituent institution of The University,
or it may be additional information. Whatever their origins, education records maintained at General Administration are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record. FERPA also provides that a student's personally-identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of General Administration or an institution to comply with FERPA.

The policies of the University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary, General Administration, The University of North Carolina, 910 Raleigh Road, Chapel Hill, North Carolina, 27515.

Further details about FERPA and its procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, North Carolina (mailing address P.O. Box 2688, Chapel Hill, North Carolina 27515-2688; telephone 919-962-4588).

**Student Health Insurance Requirement**

In 2009, the UNC Board of Governors approved the implementation of a hard waiver student health insurance plans on all sixteen four-year campuses beginning in the fall of 2010. Students must show evidence of an existing creditable coverage health insurance policy or enroll in the UNC system-wide plan.

Additional information about student health insurance can be found on the university's website at studenthealthins.wcu.edu.

**Academic Honors**

The GPA for honors is computed only on work completed at Western Carolina University.
The Dean's List

To be on the Deans' List each semester, a student must have a GPA of 3.50 or higher on a regular semester's work of not less than 12 hours, excluding remedial courses, with no grade of D+, D, D-, F, or I.

The Chancellor's List

To be on the Chancellor's List each semester, a student must have a GPA of 3.80 or higher on a regular semester's work of not less than 12 hours, excluding remedial courses, with no grade of D+, D, D-, F, or I.

Honors at Graduation

To graduate summa cum laude, a student must have earned a minimum GPA of 3.90 on quality hours attempted at Western Carolina University for the degree; to graduate magna cum laude, a GPA of 3.70; and to graduate cum laude, a GPA of 3.50. In case of transfer hours from other institutions, a student must earn the appropriate GPA in all courses taken at Western Carolina University to graduate with honors. Students who complete an undergraduate degree at Western Carolina University and return to complete an additional degree after at least two years of non-enrollment may petition the Registrar's Office during their final semester to determine their honors graduation eligibility based solely on the work completed to earn the additional degree.

To be designated University Scholars, students must have enrolled as freshmen and completed their entire undergraduate careers at Western Carolina University with a GPA of 4.00. Students who meet this requirement, which excludes courses taken with permission as transients at other institutions, are eligible for designation as University Scholars. Students who wish to be part of the Honors College Scholar Program should contact the Honors College at 828-227-7383.

To be awarded an honors degree, a student must have successfully completed the Honors Program. If they maintain the appropriate GPA, students receiving an honors degree will also receive the designation cum laude, magna cum laude, or summa cum laude.

The names of students graduating with honors must be jointly passed upon by the Provost, Senior Vice Chancellor for Academic Affairs and the Registrar.

Academic Standing

Student Academic Standing consists of the following categories: Good Academic Standing, Academic Warning, Academic Suspension, or Academic Dismissal. Academic Standing considers both qualitative (GPA) and quantitative (percent completion) measures.
Good Academic Standing

Good Academic Standing and Satisfactory Academic Progress (SAP). All students are expected to earn and maintain a grade-point average (GPA) of at least 2.0 each semester and to successfully complete (earn) at least 67% of their attempted hours. Successful completion of a course means that a student must have credit pending (i.e. incomplete) or must earn credit for the course with a grade other than F, U, NC or W. Students in Good Standing will receive a notification if their semester completion rate falls below 67%.

Academic Warning

Academic Warning for Continuing Students. Continuing students are placed on academic warning if their cumulative Western Carolina University grade point average (GPA) falls below 2.0 or if they fail to complete 67% of their attempted hours in their two most recently completed terms of enrollment or if they fail to complete 67% of their overall WCU attempted hours. Cumulative GPA and, semester and overall completion rate are checked at the end of each semester and students who fail to complete 67% of their attempted hours in their two most recently completed terms of enrollment or fail to complete 67% of their overall WCU attempted hours regardless of cumulative GPA will be placed on academic warning.

At the end of the term of academic warning, students must achieve all the following to regain good academic standing:

- Earn a 67% completion rate on the hours attempted for the semester
- Earn an overall 67% completion rate on all WCU hours attempted
- Raise the cumulative GPA to good standing (2.0)

Or achieve all of the following:

- Earn a 67% completion rate on the hours attempted for the semester
- Earn an overall 67% completion rate on all WCU hours attempted
- Earn a minimum 2.30 term GPA during the warning term.

Failure to achieve one of the above academic criteria will result in academic suspension.

Academic Warning for First-Semester Freshmen and New Transfers. See "Academic Suspension" below.

Academic Suspension

Academic Suspension for Continuing Students. Students who are on Academic Warning and who fail to meet the criteria necessary for continued enrollment will be suspended. All students have the right to appeal prior to the published appeals deadline. (See appeals below.) Students granted an appeal will be required to participate in an Academic Action Plan. Students who are suspended are not eligible to enroll at the university during the next regular (fall or spring) semester but may apply for readmission after they have served one semester of suspension.
When students return from suspension, they are placed on academic warning and must have an Academic Action Plan. Failure to meet the terms of the Academic Action Plan will result in Dismissal from the University (see "Academic Dismissal" below).

**Academic Suspension and Learning Contract Option for First-Semester Freshmen and New Transfers.** First-semester freshmen and new transfers who earn a cumulative GPA within the range of 1.0 to 1.999 at the end of their first semester will be suspended unless they choose to participate in a Learning Contract. Students will receive information about the Learning Contract option with their notice of suspension and must respond by the contract's deadline to continue for a second semester. This option is not available to first-semester freshmen and new transfer students who earn a cumulative GPA below a 1.0.

**Learning Contract Program.** Students who are given a Learning Contract option and who choose not to participate in the Learning Contract program are barred for one term from continuing enrollment in the University. If readmitted after a lapse in enrollment, students are reminded that they will return to Western Carolina University under the general guidelines for academic warning.

The Learning Contract Program specifies that these students work closely with an academic advisor. The student and advisor will discuss academic performance issues, set realistic goals, and make plans to reach those goals, including linking students with the campus resources that can help them succeed. Follow-up contacts will occur throughout the semester.

When appropriate, students should use the University's grade replacement policy to improve their academic standing (the grade-replacement policy does not apply to the First-Year Seminar). Additionally, these students must successfully complete all the conditions of their Learning Contract Failure to meet these criteria will result in academic suspension.

**Temporary Summer Status.** Students who were suspended at the end spring term may be granted temporary status and allowed to continue their enrollment during the summer. Temporary Summer Status is not Good Standing, and students who choose this option to continue their enrollment during the summer are not eligible for any federal, state, or institutional financial assistance. If at the end of summer a student fails to regain Good Standing, then the Suspension remains in effect and enrollment will cease except as might be allowed through the appeals process.

**Academic Dismissal**

Students who have served a semester of suspension and who, upon return, fail to meet the terms of their Academic Action Plan, or who fail to meet the 2.00 cumulative GPA and 67% successful completion rate, will be dismissed from the university. Students who are dismissed must sit out for two years before they will be eligible to reapply for future enrollment at Western Carolina University.
Appeal Process for Academic Suspension and Academic Dismissal

Appeals for reinstatement without having to serve a specified period of suspension are approved or denied by the Academic and Admission Appeals Board (referred to here as "Board"). The Board’s decision is final and is based upon the student’s letter of appeal, which should include the following:

- The reason for the student’s poor academic performance
- Documentation of extenuating circumstances
- A plan for rectifying the academic performance and raising the GPA to acceptable standards

Requests for reinstatement must be submitted to the Advising Center by the deadline stated in the academic suspension notification letter, which also includes instructions for completing the request for reinstatement. Students whose appeal for reinstatement is approved will be designated as "Suspended/Reinstated" on their academic record and allowed to continue their enrollment under an Academic Action Plan.

Readmission after Suspension. Students who have been out the required amount of time may apply for readmission in the same manner as other former students. See the "Admission of Former Students" in this catalog.

Academic Action Appeal Policy

Students (undergraduate or graduate) has the right to appeal a final assigned grade or dismissal from a program level. A student who can show the grade or program dismissal was assigned arbitrarily or impermissibly may appeal a final grade or program dismissal. Students who wish to appeal a grade on a particular assignment or exam can do so if it affects their final assigned grade or if it results in dismissal from a program.

A final grade or program dismissal is deemed to have been assigned arbitrarily or impermissibly if, by a preponderance of the evidence, a student establishes any of the following:

1. The final grade or dismissal was impermissible based in whole or in part upon the student's race, color, religion, national origin, age, sex, disability, sexual orientation, or for some other arbitrary or personal reason unrelated to the instructor's reasonable exercise of professional academic judgment in the evaluation of the academic performance of the student

2. The final grade or program dismissal was assigned in a manner not consistent with the standards and procedures for evaluation established by the instructor, the program, or the university in the Catalog, in the course syllabus, or during the class/program in written or oral communications directed to the class/program as a whole

3. The final grade or program dismissal was the result of a clear and material mistake in calculating or recording grades or other evaluation.
Individual elements (for example, assignments, tests, activities, projects) which contribute to a final grade are generally not subject to appeal or subsequent review during a final grade appeals procedure. However, individual elements may be appealed under these procedures providing all the following conditions are met:

1. The student presents compelling evidence that one or more individual elements were graded on arbitrary or impermissible grounds

2. Grounds can be established for determining a professionally sound grade for the appealed element(s)

3. The ensuing grade for each appealed element would have resulted in a different course grade than that assigned by the faculty member.

If dismissal from the Graduate School is a result of grades (3 C's or an F), the student may appeal the grade causing the dismissal. If the appeal is unsuccessful, the dismissal stands; the student cannot appeal the dismissal as well as the grade because dismissal is based upon the grades. If the appeal is successful, the dismissal will be rescinded.

If a student is appealing dismissal from a program, or a final assigned grade that results in dismissal, the student shall be allowed (with the approval of the program in which the classes are taken) to continue taking courses until the appeal is resolved, with the exception of clinical placements or internships, or when the students' continued participation is deemed by the program director or department head to be harmful or disruptive to other students and/or the program.

If the appeal is unsuccessful and the dismissal stands, the student will be removed from any classes in which he or she is registered and will be responsible for any tuition and fees accrued as a result of registration during the appeals process.

**Academic Action Appeal Procedure Overview:**

Students who wish to appeal a final assigned grade or dismissal from an academic program for any reason other than academic dishonesty should follow, in order, the academic appeal procedure outlined below: (For these procedures, a "working day" = a day classes are held on campus)

Appeals of a final assigned grade and appeals of dismissals from an academic program follow similar procedures:

1. Appeal to Instructor
2. Appeal to Department Head (The term "Department Head" in these procedures refers both to Department Heads and School Directors)
3. Appeal to Academic College Associate Dean (ACAD). The ACAD may dismiss appeal or send to:
   4. College Academic Action Committee Review; or
   5. Academic Dean Review

An Appeal to Provost is only allowed for on of the following:
1. Alleged violations of procedures
2. Discrimination based on a protected class
3. The student's exercise of rights guaranteed by the United States Constitution.
   No right of appeal is available beyond the Provost.

Final Grade Appeal Procedures

The following procedures detail the steps for appealing a final assigned grade (whether or not that grade results in dismissal from the Graduate School). The student is encouraged to meet/talk with the instructor before filing a formal appeal.

The student must demonstrate that the grade was impermissibly or arbitrarily assigned (see "Academic Action Policy"). That the student simply disagrees with the assigned grade does not constitute a basis for a review.

(Step 1) Appeal to Instructor:

Within 35 calendar days after the student receives notification of the academic action (grade) the student should submit a formal written appeal to the instructor. This appeal must include all of the following:

1. A statement of the reason(s) why the student believes the grade was impermissibly or arbitrarily assigned (see policy "Academic Action Appeal Policy"
2. The resolution sought.

If the grade being appealed is leading to dismissal from the Graduate School, the Dean of the Graduate School should be copied on the student's initial appeal. All correspondence should include contact information.

The instructor must respond to the student's request in writing as soon as possible (no later than 10 working days after receiving the student's written appeal). This response should detail whether the instructor is approving or denying the appeal.

(Step 2) Appeal to Department Head:

If the student is unable to resolve the grievance through the appeal to the instructor, the student should submit a written appeal to the department head within 10 working days of receiving the instructor's written response (from Step 1). If the department head is the instructor for the grade assigned, the associate dean of the department's college will serve this function. Students appealing to the department head assume the burden of proof.

Therefore, the appeal must include all of the following:

1. A statement of the reason(s) the student believes the grade was impermissibly or arbitrarily assigned;
2. The steps taken to resolve the disagreement over the assigned course grade; and
3. The resolution sought.
4. Evidence the student believes supports the conclusion that the grade was impermissibly or arbitrarily assigned. Evidence might include papers, tests, syllabi, or written documentation.

Within 10 working days of receiving this appeal, the department head will attempt to resolve the appeal. If the department head denies the appeal, the department head will notify the student of the decision, and the student has 10 days to appeal to the associate dean of the academic college.

(Step 3) Appeal to the Academic College (Associate Dean Review):

If appealing to the academic college, students should forward (to the associate dean of the academic college) their initial Appeal to the Instructor and response from the instructor (from Step 1), the subsequent Appeal to the Department Head, and the department head's written notification (from Step 2). Upon receipt of the appeal required materials (above) the associate dean may request further information from the student, the instructor, and/or the department head.

If the associate dean concludes that the facts alleged by the student do not constitute permissible grounds for appeal as set forth in this Academic Action Appeal Policy or Procedures, the associate dean may, in consultation with the Dean and Graduate Dean if applicable, dismiss the review. The student will not be allowed any further appeal.

If the associate dean determines that the facts alleged in the student's written appeals could, if true, constitute a violation of the Academic Action Appeal Policy or Procedures, the associate dean, within 10 working days of receiving all information, shall refer the case to the College's Academic Action Committee.

(Step 4) Academic Action Committee Review:

The College Academic Action Committee (CAAC) will consist of faculty members (who do not teach in the program from which the appeal originated) and students as designated by the academic college (graduate or undergraduate based upon appeal) appointed by the appropriate Academic Dean or Associate Dean. At least two of the faculty members shall be selected from "allied" disciplines or programs. The Associate Dean will serve as ex-officio (non-voting) chair of this committee. The purpose of the CAAC is to determine whether the facts support the student's contention that the grade was impermissibly or arbitrarily assigned or that there was material procedural deviation, as defined in the policy. It is not the function of the Committee to re-evaluate the student's work to determine whether the CAAC agrees with the professional judgment of the faculty member who assigned the grade.

The CAAC Chair shall convene the Committee not later than 10 working days from the request by the associate dean to examine the student's appeals to the instructor and department head. The CAAC will also consider any written statements received by the associate dean from either the student or the instructor, and any additional relevant documentation. Additionally, the CAAC may request oral presentations from both parties. Other relevant parties may be questioned.
Neither the student nor the faculty member may be accompanied or represented in the hearing by legal counsel or other advisor. The CAAC may consider only such evidence as is offered by the parties and at the hearing(s) and need consider only the evidence offered that it considers fair and reliable. The burden of proof shall be on the student to satisfy the Committee that a preponderance of the evidence supports a conclusion that the grade was awarded arbitrarily or impermissibly as defined. All recommendations of the CAAC shall be made by a simple majority vote.

Within 10 working days from the conclusion of its hearing(s) on the matter, the CAAC Chair will provide a written report to the academic dean and to the graduate dean (for graduate-level grade appeals). The Committee report must include the Committee's finding as to whether the grade assigned was awarded arbitrarily or impermissibly as defined in the policy. If such a determination is made, the CAAC shall recommend a course of action which could include recommending assignment of a specific grade to replace the one originally assigned or implementing a process to re-evaluate the student's work.

(Step 5) Review by the Dean:

Within 10 working days after receiving the CAAC's report, recommendations and other documentation assembled in the review, the academic Dean will, in consultation with the faculty member and department head, determine a final course of action. The academic Dean will then communicate the final action in writing to the student, faculty member, department head, and (for graduate-level grade appeals) the dean of the Graduate School.

(Step 6) Appeal to the Provost:

An appeal to the Provost is only allowed if the student can establish a reasonable basis that the appeal procedures were not followed, discrimination against a protected class occurred, and/or a student's exercise of rights guaranteed by the First Amendment was violated. Students who feel one of these conditions applies, must file a written appeal to the Provost explaining the situation that warrants this level of appeal. The Provost shall provide a written decision to the student within 10 calendar days of receipt of the appeal. No appeal is available beyond the Provost.

Substitution Provisions: If the faculty member whose grade is being reviewed is also a department head/school director, the associate dean shall do those things required by the head or director. If the faculty member whose grade is being reviewed is also an associate dean, the academic Dean or Provost can name an appropriate substitute to perform the functions of the associate Dean as required by this policy.

Program Dismissal Appeal Procedures

The following procedures detail the steps for appealing a dismissal from a program for any reason other than final assigned grade(s), including failure to adhere to technical standards.
Dismissal from the Graduate School (and therefore dismissal from the program) based on low grades may not be appealed. In this case, the affected student must appeal the final grade(s) resulting in the dismissal from the Graduate School. The student is encouraged to meet/talk with the program director before filing a formal appeal.

The student must demonstrate that dismissal was impermissibly or arbitrarily assigned (see "Academic Action Policy"). That the student simply disagrees with the dismissal does not constitute a basis for a review.

**Step 1) Appeal to Program Director:**

Within 35 calendar days after the student receives notification of the academic action (cause for program dismissal) the student should submit a formal written appeal to the instructor. This appeal must include all of the following:

1. A statement of the reason(s) why the student believes the dismissal was impermissibly or arbitrarily assigned (see policy Academic Action Appeal Policy)
2. The resolution sought.

When appealing a dismissal from a graduate program, the student must copy the Dean of the Graduate School on this initial appeal. All correspondence should include contact information.

The program director must respond to the student's request in writing as soon as possible (no later than 10 working days after receiving the student's written appeal). This response should detail whether the program is approving or denying the appeal.

**Step 2) Appeal to Department Head:**

If the student is unable to resolve the grievance through the appeal to the program director, the student should submit a written appeal to the department head within 10 working days of receiving the program director's written response (from Step 1). If the department head is the instructor for the grade assigned, the associate dean of the department's college will serve this function. Students appealing to the department head assume the burden of proof. Therefore, the appeal must include all of the following:

1. A statement of the reason(s) the student believes the dismissal was impermissibly or arbitrarily assigned
2. The steps taken to resolve the disagreement over the dismissal
3. The resolution sought.
4. Evidence the student believes supports the conclusion that the dismissal was impermissibly or arbitrarily assigned. Evidence might include papers, tests, syllabi, or written documentation.

Within 10 working days of receiving this appeal, the department head will attempt to resolve the appeal. If the department head denies the appeal, the department head will notify the student of the decision and copy the Dean of the Graduate School, and the student has 10 days to appeal to the Associate Dean of the academic college.
(Step 3) Appeal to the Academic College (Associate Dean Review):

Students who appeal to the academic college should forward (to the associate dean of the academic college) their initial Appeal to the Program Director and the program director's response (from Step 1), the subsequent Appeal to the Department Head, and the department head's written notification (from Step 2). Upon receipt of the appeal and these materials, the Associate Dean may request further information from the student, the program director, and/or the department head.

If the associate dean concludes that the facts alleged by the student do not constitute permissible grounds for appeal as set forth in this Academic Action Appeal Policy or Procedures, the associate dean may, in consultation with the academic Dean and Graduate Dean if applicable, dismiss the review. The student will not be allowed any further appeal.

If the associate dean determines that the facts alleged in the student's written appeals could, if true, constitute a violation of the Academic Action Appeal Policy or Procedures, the associate dean, within 10 working days of receiving all information, shall refer the case to the College's Academic Action Committee.

(Step 4) Academic Action Committee Review:

The College Academic Action Committee (CAAC) will consist of faculty members (who do not teach in the program from which the appeal originated) and students as designated by the academic college (graduate or undergraduate based upon appeal) appointed by the appropriate academic Dean or associate dean. At least two of the faculty members shall be selected from "allied" disciplines or programs. The associate dean will serve as ex-officio (non-voting) chair of this committee. The purpose of this Committee is to determine whether the facts support the student's contention that the dismissal was impermissibly or arbitrarily assigned or that there was a material procedural deviation, as defined in the policy. It is not the function of the CAAC to re-evaluate the student's work to determine whether the Committee agrees with the professional judgment of the program director or faculty member(s).

The CAAC Chair shall convene the Committee not later than 10 working days from the request by the associate dean to examine the student's appeals to the program director and department head. The committee will also take into consideration any written statements received by the associate dean from either the student or the program director, and any additional relevant documentation. Additionally, the Committee may request oral presentations from both parties. Other relevant parties may be questioned.

Neither the student nor the program director may be accompanied or represented in the hearing by legal counsel or other advisor. The CAAC may consider only such evidence as is offered by the parties and at the hearing(s) and need consider only the evidence offered that it considers fair and reliable. The burden of proof shall be on the student to satisfy the Committee that a preponderance of the evidence supports a conclusion that the dismissal was awarded arbitrarily or impermissibly as defined. All recommendations of the CAAC shall be made by a simple majority vote.
Within 10 working days from the conclusion of its hearing(s) on the matter, the CAAC Chair will provide a written report to the academic dean and to the graduate dean (for graduate-level grade appeals). The Committee report must include the Committee's finding as to whether the dismissal assigned was awarded arbitrarily or impermissibly as defined in the policy. If such a determination is made, the CAAC shall recommend a course of action which could include recommending readmission or implementation of some process to re-evaluate the student's actions/work that lead to the program dismissal.

(Step 5) Review by the Dean:

Within 10 working days after receiving the CAAC's report, recommendations, and other documentation assembled in the review, the academic Dean will, in consultation with the program director and department head, determine a final course of action. The academic Dean will then communicate the final action in writing to the student, faculty member, department head, and the dean of the Graduate School.

(Step 6) Appeal to the Provost:

An appeal to the Provost is only allowed if the student can establish a reasonable basis that the appeal procedures were not followed, discrimination of a protected class occurred, and/or a student's exercise of rights guaranteed by the First Amendment was violated. Students who feel one of these conditions applies must file a written appeal to the Provost explaining the situation that warrants this level of appeal. The Provost shall provide a written decision to the student within 10 calendar days of receipt of the appeal. No right of appeal is available beyond the Provost.

Substitution Provisions: If the faculty member whose grade is being reviewed is also a department head/school director, the associate dean shall do those things required by the head or director. If the faculty member whose grade is being reviewed is also an associate dean, the academic dean or Provost can name an appropriate substitute to perform the functions of the associate dean as required by this policy.

Grade Replacement and Course Repeat Policy

Students may repeat a maximum of 16 credit hours. When a student repeats a course, only the most recent grade will be used in calculation of the student's grade point average and counted in the hours toward graduation. However, all grades shall remain on the student's transcript.

Exceptions:

1. The First-Year Seminar may not be repeated.
2. Courses available for re-enrollment for additional credit are not counted as repeats unless the student declares a repeat or exceeds the number of times for which credit can be earned in the course.
3. Some academic programs may have policies that further regulate the number of repeats. Students should check with their advisor about additional regulations.
The 16-credit-hour limit of the repeat/grade replacement policy may be appealed by the student in writing to the student's advisor, department head or program director, and Dean.

Note:

- Any courses elected for repeat must be taken and repeated at WCU. Grades earned elsewhere cannot be used to replace grades earned at WCU.
- Students may not repeat courses for which they have already earned credit without permission from their advisor. A permit is required to enable registration. If a faculty advisor approves the repeat permit, the faculty advisor can call or email the department head to have the permit processed so the student can enroll.
- All repeats, except for re-enrollment for additional credit courses, result in a mandatory grade replacement. (Regardless of the grade earned, the grade earned in the last course taken will replace the grade of the previous course.)
- After degree conferral, grades may not be replaced or forgiven.

Note:

Pursuant to actions of the North Carolina General Assembly and policy adopted by the Board of Governors of the University of North Carolina, a 50 percent tuition surcharge applies to students who take more than 140 semester hours and more than eight regular semesters (i.e., fall and spring) to complete a baccalaureate degree. The semester hours used to calculate the total of 140 hours include repeated, failed, and transferred credit courses.

**Academic Re-Evaluation Policy**

To be eligible to elect an academic re-evaluation, a student must have a cumulative GPA below 2.0 and must have made a GPA of 2.30 or better on 12 or more hours of work for each of two successive semesters, one of which may be summer school. At least 18 hours of the work taken in the two semesters must apply to liberal studies requirements or the requirements in the major, if these have not been met already. A written request for re-evaluation is required.

To be eligible to graduate after re-evaluation, a student must complete at least two semesters in residence. No course passed with a C- or less prior to these two semesters will count toward the 120, 122, or 128 hours required for a degree. Such courses may be used to waive liberal studies requirements but not to fulfill major requirements.

The student's GPA for retention and graduation will be computed only on work taken during and after the two semesters on which re-evaluation is based. However, the number of hours previously passed with a grade of C (2.0) or higher will be counted as earned hours.

This policy does not alter the administration of the two-year rule policy.
Two-Year Rule Policy

An undergraduate with a GPA below 2.0 who has not attended the university for two or more calendar years and who is eligible for readmission is given the option of having the two-year rule applied or not applied.

If the two-year rule is applied, all courses completed before the interruption are treated as if they were transferred from another institution. No hours of credit will be allowed for courses in which C- or less grades were earned, although, at the discretion of the student's major department, they may be used to waive appropriate course requirements. The student's cumulative GPA will be based on courses attempted after readmission. The earned hours will include all credits

1. Transferred from other institutions
2. Completed with a grade of C (2.0) or higher before the two-year rule was applied
3. Earned after the last two-year rule was applied.

If the two-year rule is not applied, the student will return with a cumulative GPA, credit hours, and grades as if the interruption had not occurred. The quality point deficit of some students may be of such a magnitude that the application for readmission from a student who has chosen not to apply the two-year rule may be rejected.

Once electing to have the two-year rule applied or not applied, students may not reverse the option. Applications for the two-year rule may be obtained from the Advising Center and submitted to that office before the initial term of re-enrollment.

Transfer Credit and Placement Policy

Evaluation of transfer, College-Level Exam Program CLEP, and advanced placement (AP) credits are coordinated through the Office of the Registrar. The university will accept or transfer appropriate undergraduate credits earned through credit by examination, advanced placement, CLEP, correspondence courses, extension courses, armed forces service schools, and college-level courses completed prior to graduation from high school. With the approval of the appropriate academic departments, the amount of such credit that may be applied toward a degree is subject to limitation only by the university's general residence requirement and the prescribed courses in the major field of study; the degree program may not exceed 45 semester hours of CLEP credit. Credit toward a degree is not awarded for Continuing Education Units or for General Education Development tests (GED).

Transfer of Credit. An evaluation of credits offered in transfer is completed after admission and after all official records are received directly from each institution previously attended. The applicability of transferred credits toward degree requirements is determined by the registrar's office and the department head of the student's major. In some cases, due to accreditation standards, validation of a course by successful completion of more advanced work in the same discipline or by examination may be required.
Only work passed with a grade of C (2.0) or better may be transferred. Courses with other grading systems that are equivalent to a C or better may be transferred. Except for consortium agreements, no credit for a course passed with a C- or less at another institution will be allowed toward graduation or toward fulfillment of major requirements. Credit will not be awarded for courses determined to be below the collegiate level at Western Carolina University nor from an institution not accredited by a nationally recognized regional accrediting agency. Undergraduate credit will not be awarded for graduate-level courses.

A Comprehensive Articulation Agreement (CAA) has been developed by the North Carolina Community College (NCCC) system and the University of North Carolina (UNC) General Administration providing for the transferability of a student's first two years of collegiate work to a senior UNC institution. This agreement provides that students who enroll at a NCCC institution fall 1997 or later, and what completes their home institution's 44 semester hours of general education requirements with a grade of C or better in each course, is guaranteed that those hours will be applied toward a baccalaureate degree at any UNC institution. These 44 hours must be used to satisfy the receiving institution's liberal studies requirements. In addition, the CAA also guarantees that when students complete the Associate of Arts or Associate of Science degree, 20-21 hours of pre major work with a grade of C or better will be transferred and applied toward those students' baccalaureate degree at a UNC institution provided that they remain within their major.

Credit may be transferred from a technical program of a two-year institution if the institution is regionally accredited and applied toward an appropriate bachelor's degree. A minimum of 25 percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of 12 hours in junior-senior courses in the major field.

In addition to those credits accepted as equivalents of the university's freshman and sophomore courses, a maximum of 30 hours of credit may be allowed toward graduation for freshman and sophomore courses completed at other institutions that are normally offered above the sophomore level at Western Carolina University.

There is no time limit on the course work accepted for undergraduate transfer credit. However, students who plan to schedule courses with stated prerequisites and who have not attempted work in the field within the past five years should consider auditing the prerequisite courses.

Regularly enrolled students who desire to take any course at another institution on a transient basis for transfer to WCU must secure the appropriate department head's and the registrar's approval before enrollment at the other institution. Transient Permission Forms are available from the One-Stop Student Service Center and from the departments. To secure transient permission, students must be in good standing and eligible to re-enroll at Western Carolina University. Course work taken at an institution that has a consortium agreement with Western Carolina University will be given credit on the same basis as course work taken at WCU.
Grades made in transferred courses are not considered in computing the GPA at Western Carolina University, but transferred hours are added to earned hours and will affect the student's overall academic standing. A student may not expect to have the repeat course policy applied based on courses completed at other institutions. Currently enrolled and former students (those not enrolled for one or more of the immediately preceding semesters, excluding summer terms) who attempt courses at other institutions must earn a cumulative 2.0 GPA and submit official transcripts of all work attempted to the Office of Admissions to be eligible to return to Western Carolina University.

**Transfer Students with Two or More Years Away from their Previous Academic Institution**

Applicants must have official transcripts with statements of honorable dismissal by all institutions formally attended. The applicant must meet freshman admission requirements and submit an official high school transcript with SAT or ACT test results. Transfer applications should be submitted by July 1 for all fall admissions and at least 30 days prior to the beginning of spring semester.

Generally, transfer students must have earned a minimum GPA of 2.0 (C average) on all work attempted. Applicants who are ineligible to return to the last institution attended for any reason may be ineligible for admission to Western Carolina University. However, transfer students who have not attended any institution for a period of two or more years prior to the intended semester of enrollment will be considered for admission subject to review of specific circumstances by the director of admissions.

The academic records of transfer students will be evaluated by the Office of the Registrar and the department head/program director of the student's major. University policies on transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

**Placement in First-Year Composition.** Students with Advanced-Placement (AP) credit or high school credit for English 101 and/or English 202 will be given credit for these courses. All other students will be placed in English 101. Members of the Honors College may be placed in English 101-H, and enrollment in these honors sections will be reserved for members of the Honors College. Students placed in English 101 or 101-H must complete the six-hour First-Year Composition sequence of English 101 or 101-H, followed by English 202 or 202-H.

**Advanced Placement (AP).** Students may become eligible to enter intermediate or advanced courses in a field, bypassing one or more lower-level courses, if they qualify based on their performance on advanced placement tests. Students who earn a grade of three or above on College Board advanced placement courses are eligible to receive credit based upon the evaluation of the appropriate department heads. Currently, credit may be earned in American and European History, art history, biology, calculus, chemistry, computer science, economics, English, environmental science, French language and literature, German language, Latin, music, physics, political science, psychology, and Spanish language and literature and statistics.
Placement in World Languages. Students will be placed at the appropriate level in a language based on the number of years of high school and/or college-level language study. Any student placed in the second or higher course in French, German, or Spanish who passes that course with a grade of C (2.0) or better will receive three or six hours of credit for the courses bypassed. This may include the liberal studies course 101. Additional information can be obtained from the department or from the Advising Center.

Chemistry. Freshmen with above-average ability in chemistry are encouraged to take a chemistry placement examination. Satisfactory performance allows a student credit in either CHEM 132 or 140. Additional tests may be taken for a maximum of eight hours of credit.

Assessment Program. As part of Western Carolina University's continuing effort to maintain the quality of academic programs and university services, the university conducts student learning outcomes assessment. Measuring student intellectual growth, attitudes, perceptions, and skills provides the university with essential information in evaluating its effectiveness. Students are required to participate in these assessments throughout their enrollment at the university. The assessment information is not part of the student's official record, and individual scores may be reported only to the student. Other uses of assessment data include reporting data only in aggregate form to the university community and required external sources.

Non-credit Courses. Credit earned in MATH 100 will not count toward the 120-128 hours required for graduation.

Credit by Examination

A student may apply to be examined in any course identified by a department head as available for credit by examination. The student must present an approved permission form after the examination has been completed. Students making an A (4.0) or B (3.0) will receive credit. Those making C (2.0) do not receive credit, but are eligible for a waiver of a course requirement. With a D or F, credit may be earned only by regular enrollment during a subsequent semester. The GPA will not be affected by the grade made on the examination. All credit-by-examination attempts must be completed before the semester of graduation.

The examination procedure may be attempted only once for any one course. Students who have completed more than two collegiate courses in the field of study concerned may earn credit by examination only after securing written approval of the head of the department in which the course is offered. However, they may take the examination and secure a waiver of a curricular requirement by scoring a C (2.0) or higher.

The fee for scheduling a course on a credit-by-examination basis is $15. No fee will be assessed if the examination is being used to validate transfer credits or when the student is enrolled full-time during a fall or spring semester.
The College Level Examination Program (CLEP). The university cooperates with the College Board in this program, through which credit may be awarded for the CLEP subject examinations that have been approved by the academic departments as appropriate measures of academic achievement in their courses. Elective credit may be granted for examinations covering material which is not the substantial equivalent of any specific Western Carolina University course. These elective credits may be applied toward graduation requirements if the student fulfills certain liberal studies requirements or complies with other conditions prescribed by the appropriate deans and department heads. The subject examinations also may be used to validate credits earned at unaccredited institutions and to earn credit for courses failed at the university or other institutions. A current list of approved examinations and the credit that may be awarded is available via the Registrar's Office website (registrar.wcu.edu).

The American Council on Education has endorsed a uniform credit granting score of 50 for all 34 CLEP exams. Percentile scores are no longer used as a basis for granting credit. Departments also may require demonstration of achievement by satisfactory completion of an essay or by provision of other evidence of the competencies to be mastered in a course or course sequence. The general examinations of CLEP are not accepted for credit. Subject examinations that are repeated within less than one year from the date of previous testing will not be considered for credit.

Credits earned through CLEP will be posted on the transcript, but no grades are recorded. The student's GPA will not be affected. Duplicate credit is not awarded in any case. CLEP credits earned at other institutions will be evaluated in the same manner as the equivalent courses at those institutions. The same policies and procedures used in evaluating the applicability of other advanced-standing and transfer credits toward a degree will be applied.

Credit for Experiential Learning

Western Carolina University endorses the concept of undergraduate credit for experiential learning in recognition of valid learning experiences. Departments awarding credit for experiential learning do so on the basis of detailed departmental guidelines and procedures as approved by the Academic Policy and Review Council. However, credit is awarded by a department only for those competencies which are related to areas of instruction in that department and which are applicable to the degree program being completed. Credit is not extended automatically or in blanket fashion.

To receive credit for experiential learning, a student must submit a request to the appropriate department head. A faculty committee named by the department head will review the request. If the request seems appropriate, the student will be provided with guidelines for preparing a portfolio which the committee will review to determine the conditions and amount of credit to be awarded.

Credit for all or part of a course(s) may be awarded. If partial credit is awarded, the student will pay the full cost of the course, but will be required to attend only those classes not covered by experiential learning and to do additional work as designated.
There is no charge for courses for which full credit is awarded. Committee actions, when endorsed by the department head and dean, must be reported to the registrar. The credit awarded is not applicable to the university's residency requirement.

**Credit for Military Personnel and Veterans of Military Service:**

To the greatest extent possible, the university will grant credit for military service schools and occupational experience that have been evaluated by the Office of Military Programs of the American Council on Education (ACE) and for which ACE has recommended the granting of college credit. Students will not be awarded credit for formal schools or occupational experience that carry only one hour of recommended credit. Applicants to, or current students in, the university who have served in the military in any capacity (active duty, National Guard, or Reserve) should have official military ACE transcripts sent from one or more of the sources listed below to the Office of Undergraduate Admissions or to the Graduate School.

The Army, Coast Guard, Marine Corps and Navy issue a joint services transcript (JST). Information on the JST can be found at https://jst.doded.mil/smart/welcome.do.

The Community College of the Air Force (Air University) is a regionally accredited institution. Information about Community College of the Air Force transcripts can be found at http://www.au.af.mil/au/barnes/ccaf/index.asp.

In addition, university policy states that students who have served on the active duty for at least one continuous year are eligible to be granted seven (7) hours of general electives credit. To receive this credit, the student must have received an honorable discharge for the year of continual active service. Proof of eligibility for this credit will be the student's DD Form 214 (Certificate of Release or Discharge from Active Duty) or similar official document.
Degree & Program Requirements

Programs of Study Information

The university offers programs leading to bachelor's, master's, education-specialist, and doctoral degrees as well as pre-professional, inter-institutional, and certification curricula. All of the bachelor's-level programs, including the course requirements for the various majors, minors, and concentrations offered by the colleges and departments, are described in the sections that follow. Programs of interest to graduate students are presented in the graduate catalog of *The Record*.

Guide to Majors and Degrees

The following table lists alphabetically the university's principal academic programs and indicates the college offering the programs. The colleges are: Arts and Sciences (A&S); Business (BUS); Education and Allied Professions (E&AP); Fine and Performing Arts (FPA); Health and Human Sciences (HHS) and College of Engineering and Technology (E&T).

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<td>E&amp;AP</td>
<td>BSEd.</td>
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<tr>
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<td>Theatre</td>
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General University Degree Requirements

To be awarded a bachelor's degree, the student must meet the following general requirements:

1. Completion of a minimum of 120 semester hours to a maximum of 128 semester hours under requirements outlined for one of the degree programs.
2. A minimum GPA of 2.0 on all work attempted at Western Carolina University and on all courses in the major. **Students must have a 2.0 in coursework required to complete a minor.
3. A minimum of 25 percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of 12 hours in junior-senior courses in the major field.
4. Fifty percent or more of the credits in the major presented for graduation on the junior/senior level unless the degree program being completed by the student is specifically exempted from the requirement.
5. Be enrolled at Western the intended graduation semester, or complete a Transient Permission Form.
6. To participate in a commencement ceremony, a student must be eligible for degree completion at the conclusion of that semester.

** See graduate catalog for graduate degree requirements.

In addition to the minimum number of hours specified, all bachelor's degree programs require the completion of all of the following:

1. The liberal studies program
2. A major as prescribed by each of the departments
3. Elective courses.

Unless specifically provided for in the catalog description, credit for any course may be applied only once toward the required hours for graduation.

Posthumous Degrees

The criteria for consideration for an Posthumous Degree or Certificate of Achievement are as follows:

- A student who dies while actively pursuing an undergraduate or graduate degree may be considered for a posthumous graduate degree if he or she has completed 75% or more of the program credits.
- Students must be in good standing and must have been enrolled at WCU
- Students who do not qualify for a posthumous degree may be awarded a Certificate of Achievement if the student was in good standing.

Process
1. The process for awarding a posthumous degree or Certificate of Achievement is initiated with a letter from the major program to the Provost identifying the student and requesting action.

2. The Provost or his/her designee will review requests from the major programs and determine if the application satisfies the criteria and then authorize the Posthumous Degree if warranted under the terms of this policy.

3. In the case of a student who does not have a major, or other circumstances that make it difficult for the program faculty to initiate the process, the Provost may determine that the situation warrants a Certificate of Achievement and issue one independently.

4. The Provost or designee will communicate with the family to determine the optimal way to confer the Posthumous Degree or Certificate of Achievement (in person or by mail).

5. The Provost or designee will submit a form for appropriate signatures.

The Western Carolina University Provost reserves the right to award a Posthumous Degree or Certificate of Achievement at the Provost's discretion, even if the criteria and process outlined above are not met.

College/Department Degree Requirements

**Majors.** A major consists of a group of prescribed and elective courses (totaling at least 27 hours) providing breadth and depth in an academic discipline, in two or more closely related disciplines, or in an interdisciplinary field of study. The requirements for a major in one discipline may include supporting courses selected from other disciplines.

In degree programs that include a major of 27-45 hours, a minor, second major, or other approved program also is required.

In degree programs that do not require a minor or second major, 46-64 hours are required in a major, including any concentrations, emphases, or specialization options that may be a part of the major.

**Concentrations.** A concentration is a student option within a major that consists of a group of prescribed courses designed to provide preparation in a specific professional specialty within the major discipline. Ordinarily, degree programs in which the major includes a concentration do not require a minor or second major. Concentrations are required in some majors and cannot exceed 26 hours.

**Minors.** A minor consists of a group of prescribed and elective courses in an academic discipline, two or more closely related disciplines, an interdisciplinary field of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses (16-24 semester hours) and providing less depth. Students must have a 2.0 in coursework to complete a minor.

A student may not major and minor in the same field.
Second Academic Concentration. A second academic concentration is an 18 hour course of study in an academic discipline required of education students enrolled in a Bachelor of Science in Education (BSEd) program in elementary, middle grades, or physical education. The concentration areas available are the following: anthropology, art, biology, Cherokee, communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social sciences, sociology, Spanish, and theatre.

Second Majors. A second major, often called a double major, is completed at the student's option by taking the course requirements specified in the major component of the applicable degree program. The hours earned in completing a second major apply to the minimum 120-128 hours required for any bachelor's degree and do not lead to the award of a second degree. Students interested in earning a second bachelor's degree must meet the additional requirements stated below for second degrees.

General Electives. Unless a program has been specifically exempted, each degree plan includes a minimum of 12 hours of general (free) electives. These electives are exclusive of the following:

1. Hours earned in meeting the requirements of the other components of a degree program
2. Any remedial or developmental work a student may take
3. Elective hours that may become available to a student through application of the liberal studies waiver policy.

Waivers and Substitutions. Waivers and substitutions of courses, other degree requirements, and academic regulations may be made only with adequate cause. Exemption from, or substitutions in, requirements established by an academic department must be approved by the department head. Liberal studies requirements may be waived or altered only with the approval of the Director of Undergraduate Advising (or designee) or the Provost (or Associate Provost responsible for liberal studies). College-wide requirements may be waived or altered only with the approval of the dean of the college. Waivers of, and substitutions in, university-wide regulations and requirements must be approved by the Office of the Provost. All requests must be submitted to the registrar on the Waiver and Substitutions Form.

Academic Advisors. Students enter the university undeclared and are advised by a professional advisor. Upon declaring a major, students are advised by a faculty advisor in their major department.

Students Undecided about a Major. Through the Academic Advising Center, the university provides a specific program of academic advising to assist the undecided student in course selections and career decisions. When an undeclared student does select a major, the declaration or change of major/adviser procedures should be observed.

Policy on Declaring a Major. Freshmen students are encouraged to declare a major at any time, but they must declare a major prior to completion of 45 credit hours. Transfer
students with 45 or more credit hours must declare a major before registering for their second semester. To encourage students to comply with the stated policy, a "hold" will be placed on registration until the student officially declares a major.

**Declaration or Change of Major/Advisor Procedure.** A student who decides to declare or change a major must complete the declaration process to be assigned a new advisor in the appropriate department and to change the official records of the university. The student secures the declaration form from the present advisor or department head and completes the procedure by following the instructions on the form. The new program of study should appear on the next transcript issued after the completed form has been submitted to the registrar.

**Curricular Check Sheets.** Departments maintain a supply of curricular check sheets on each of their degree programs. Students should secure copies of the sheets for their programs to use as a supplementary aid in complying with catalog requirements. However, in the event of a conflict between requirements as listed on a check sheet and as stated in the catalog, catalog requirements shall prevail.

**Second Bachelor's Degree.** Students already graduated from accredited four-year institutions who are admitted to work toward another bachelor's degree must meet the university's regular graduation requirements. The student must meet the requirements in liberal studies and in the major as specified by the department head and dean. A student may obtain from the university a second bachelor's degree provided the degree is in a different major (students may not earn a second degree in the same major).

Students enrolled at the university who wish to work toward two bachelor's degrees simultaneously may do so. Students must meet the university's regular graduation requirements for each degree.

In addition to the curricula offered by a department or jointly by two departments, the university provides a number of special-purpose programs in which students may participate either as a part of the regular degree programs of their choice or as alternatives to them. These opportunities include the following programs:

**Special Studies Programs**

In addition to the curricula offered by a department or jointly by two departments, the university provides many special-purpose programs in which students may participate either as a part of the regular degree programs of their choice or as alternatives to them. These opportunities include the following programs:

**An Approved Program**

An approved program is a selection of courses designed to take the place of a minor or second major in cases where a student has a secondary interest in an area not covered by a recognized second major or minor. The program must consist of 16-24 credit hours of courses, developed in consultation with the major advisor and appropriate faculty.
advisor(s) in the relevant department(s). The approved program must be approved by the department head of the major department, the head of the approved program department, and the dean(s) of all involved college(s), upon consultation with the head of the department(s) that offer(s) the courses in the approved program.

**Interdisciplinary Studies Programs**

An Interdisciplinary Studies program takes the place of a recognized major program in cases in which a student wishes to earn a degree in a specialized area not covered by recognized majors, or an area that intersects two or more recognized majors and cannot be accommodated by a combination of a recognized major and minor, second major, or approved program.

An Interdisciplinary Studies Program is developed by the student in consultation with an academic advisor (referred to as the Interdisciplinary Studies Primary Advisor) in one of the primary departments and in consultation with advisors/faculty from all involved departments. The college to which the Primary Advisor belongs is designated as the college for which the College Curriculum Committee approves the plan of study.

The program should include completion of the liberal studies program, and any other applicable college and university requirements. It should include a distribution of courses, in place of a recognized major, to complete the Interdisciplinary Studies program, plus a minor, second major, or approved program (as needed). It should include a plan for a senior project, capstone course, or final assessment component.

The Interdisciplinary Studies Program will be approved by the primary's department's college curriculum committee and dean, with consultations attached from all departments involved in the program of study. The consultations/reviews should specifically address the assessment component(s) of the proposed program and should indicate approval or disapproval of the special studies program. Once approved at the college level the plan is forwarded to the Office of the Provost for processing.

The Interdisciplinary Studies Proposal form can be obtained from the Office of the Provost.

**Study Abroad**

Undergraduate students can apply their financial aid to study in 37 countries worldwide through the following programs offered by the Office of International Programs and Services: The University of North Carolina Exchange Program (UNC-EP), the International Student Exchange Program (ISEP), and several Western Carolina University exchanges. Students with a 2.75 GPA and higher can study internationally for a semester or a year by paying the Western Carolina University rate for tuition and fees and comparable room and board charges. Students pay tuition and fees to WCU and comparable room and board charges to the host institution. Financial aid assists students with study abroad costs, and scholarships are available through external grant agencies. Some summer programs include intensive language courses, and internships are available.
through many of our overseas partners. Financial aid, grants, and scholarships are also available. For more information call (828) 227-7494.

For summer abroad programs sponsored by Western Carolina University faculty, contact the Division of Educational Outreach at (828) 227-7397.

Cooperative Transfer Agreements with Community Colleges

Western Carolina University participates in the general transfer agreements developed by the University of North Carolina General Administration in cooperation with the North Carolina community colleges. The university is developing additional agreements and transfer guides with individual community colleges in all academic areas. For additional information, contact the transfer coordinator in the Western Carolina University admissions office or a local community college.

Experiential Programs

Western Carolina University endorses the concept of education as a multidimensional process of learning that incorporates study and practice. To that end, its curricula are designed to provide for acquisition of knowledge and understanding of theory combined with opportunities for experience in practical applications in real settings. Many of the degree programs include required work in professional situations specific to the positions and career areas for which their students prepare. At the student's option, a variety of other work opportunities deriving from and related to academic study are available. To further its commitment to the preparation of well-qualified graduates, the university provides various types of support to departmentally developed experiential activities. It also operates university-wide programs that make work opportunities directly related to their fields of study available to all students.

Western Carolina University has the following guidelines for enrolling students in external instruction courses/programs. External instruction programs are defined as instruction received at a site(s) to which the student is sent by the enrolling institution to participate in instructional activities. Encompassed in the scope of external instruction are programs referred to as cooperative education, practical training, independent study, and open-circuit televised instruction.

1. All courses are bona fide approved: by all required college, university, state, regional, and national regulatory agencies. Courses are also approved to meet all certification and licensing requirements.
2. All courses are an integral part of the student's program; credit will apply toward graduation and/or will be required for a particular degree program.
3. All courses are appropriately rigorous with credit assigned proportionate to the amount of instructor involvement and control (course credit is determined by university and state requirements).
4. The university/college has an agreement on file with specific work sites assuring that the experiences will provide opportunities for application of the
knowledge, skills, and competencies gained from on-campus academic programs.

5. All courses have regularly-employed faculty members responsible for all students participating in external instruction courses.

Cooperative Education Program. Cooperative education is a program in which students combine academic study with career-related work experience while pursuing a degree. Designed to be an integral part of the educational experience, the program offers experiential learning in both full-time and part-time positions in virtually all majors. Participants are primarily undergraduates, but some graduate programs offer co-op to their students. Information about eligibility for the program, work opportunities, and requirements for credit is available from the Career Services/Cooperative Education Office, Room 237, Killian Annex.

Internships Practica. A broad range of full-time and part-time learning opportunities are provided through internships, practica, field courses, and clinical affiliations for periods of one or more terms. The courses allow students to gain experience in the actual practice of a profession and to develop mastery of the tasks, skills, and theory applications in career fields pertinent to their majors. The experiences gained are well integrated into curricula and are frequently included in the requirements for a degree.

Independent Study. Independent study courses are offered by several departments at Western Carolina University. The content and criteria for each course is determined by each academic department. Credit for these courses ranges from one to six semester-hours' credit as determined by the department. Students must be juniors or seniors to take an independent study course.

Accelerated Bachelor's/Master's (ABM) Track

Western Carolina University (WCU) offers an Accelerated Bachelor's/Master's (ABM) track. The ABM track allows qualified undergraduate students to complete the requirements for both a bachelor's and master's degree at an accelerated pace, in approved, participating programs, by double-counting up to 12 graduate-level credit hours taken after admission into the ABM track.

ABM Student Eligibility Requirements

1. Undergraduate students must have completed a minimum of 60 credit hours in their undergraduate degree program.
2. Transfer students must have earned a minimum of 24 credit hours at Western Carolina University.
3. Students must have a minimum cumulative WCU grade-point average (GPA) of 3.000 at the time of application to the ABM track and must maintain the 3.000 GPA through completion of their bachelor's degree.
4. Individual departments may impose stricter eligibility requirements for the ABM track.
Application to the Accelerated Bachelor's/Master's (ABM) Track

1. Prospective ABM student who meet the eligibility requirements above should schedule a meeting with their undergraduate and graduate program directors to develop a tentative plan of study for their bachelor's and master's degree programs, and to discuss the ABM requirements.

2. Prospective ABM-track students should be given a copy of the program-specific ABM guidelines at that meeting.

3. The student must submit, while still an undergraduate, the standard application for admission to the Graduate School including an application, application fee, and all required admission materials.

4. Upon review of the submitted application materials, the graduate program director, in consultation with the appropriate undergraduate advisor, department head, or school director for the student's program will make a recommendation to the Graduate School to accept or deny a student admission to the master's program, contingent on meeting the ABM eligibility and participation requirements.

Requirements for ABM Participation and Graduation

1. Students must complete their bachelor's degree prior to entering a master's degree program. Consequently, ABM students may not elect to by-pass the bachelor's degree.

2. Students must receive a grade of B or higher in the double-counted graduate-level courses. Graduate courses with a grade below a B can count toward the bachelor's degree but cannot be double-counted between the two degrees.

3. No more than 12 credit hours of graduate-level work may be counted towards the requirements of both degrees, and no more than 12 graduate-level credit hours may be taken before conferral of the bachelor's degree.

Continuing ABM Eligibility

1. Students are responsible for understanding and recognizing eligibility requirements.

2. Students who complete the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000, must obtain program approval to continue to pursue the master's degree. Individual departments may have higher requirements, and a failure to meet these requirements will make a student ineligible to participate in the ABM track.

3. Students who become ineligible to participate in the ABM track, must be informed by the program director their ABM ineligibility. A copy of this letter to the student must be sent to the Graduate School.

4. A student who is ineligible to participate in or withdraws from the ABM cannot double-count any courses for both the bachelor's and master's degrees.

Withdrawal from the ABM Program

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A student may withdraw at any time from an approved ABM program by informing the graduate program director in writing. A copy of this request must be sent to the Graduate School.

After being admitted into graduate school and upon conferral of the student's bachelor's degree with a 3.000 GPA or higher, the student's records will be updated to reflect graduate-level enrollment. At that time, the student will be officially considered to be a graduate student at WCU and may be eligible for fellowships, assistantships, scholarships, and financial assistance available for graduate students.
Liberal Studies

Rationale for Liberal Studies

At Western Carolina University, all bachelor's degree programs include courses in liberal studies designed to provide each student with the knowledge, skills, and attitudes of an educated person. These attributes include the ability to think critically, to communicate effectively, to identify and solve problems reflectively, to use information and technology responsibly, to appreciate the creative and performing arts, and to seek personal development and lifelong learning.

Through enrolling in a First-Year Seminar, new students begin to experience intellectual life at the university level. Through participation in an Academic Learning Community, students begin to experience the integration of knowledge. The Core component of the Liberal Studies program provides students with the academic skills and intellectual habits needed throughout the undergraduate experience; therefore, the Core should be completed as soon as possible. The Perspectives component of the Liberal Studies program exposes students to important modes of inquiry, discovery, and interpretation through study of the concepts, principles, and theories of the social sciences, history, humanities, fine and performing arts, and world cultures. Because all disciplines at the university can offer courses in the Liberal Studies program, the Perspectives provide a broadened worldview and knowledge base, with opportunities to take courses outside areas of familiarity or major interest. Students also take at least one three-hour course at the upper level (300 or 400 level) in a Perspectives area outside their major. The Liberal Studies program also strives to promote a lifelong love of learning for WCU students.

Requirements

Liberal Studies Program Requirements

Perspectives Courses and the Major

If a particular Liberal Studies Perspectives course is required by a degree program or major, the Liberal Studies category of that course will be satisfied for students in that program. However, the Upper-level Perspective (ULP) requirement must still be met by a course outside the discipline of a student's major (the prefix of the ULP must be different from the prefix of the major).

Academic Learning Communities

Although they are not a required part of the Liberal Studies program, Academic Learning Communities are a priority at WCU, and they are often established in the context of sets of Liberal Studies courses. The goal of participation in an Academic Learning Community is to encourage the students to discover and appreciate relationships of disciplines and knowledge and to provide a sense of place within the university
Academic Learning Communities enhance both the sense of place and the ability to integrate knowledge. Academic Learning Communities consist of cohorts of students and instructors in a selection of grouped courses. Participation in an Academic Learning Community is an option for both instructors and students.

Academic Learning Communities are organized in a variety of formats reflecting faculty and student interests, scheduling constraints, and resources. The accepted formats of academic learning communities will evolve as the university gains more experience with learning communities, and as the campus culture reveals the most suitable formats for meeting the needs of our student population. Examples of course groupings might include: a First-Year Seminar, a transition course, and a writing course; or, a First-Year Seminar, a writing course, and a Perspectives course; or, a writing course, another Core course, and a Perspectives course. Students enrolled in majors that begin in the freshman year (for example, Art or Music) can be accommodated by including entry-level major courses in the Academic Learning Community course grouping.

Providing the option of participation in Academic Learning Communities is based on considerable evidence in the literature that student learning, sense of community, and retention are improved by providing students with an academic structure that facilitates and fosters interaction among students, faculty, and courses. Identification with a set of peers provides social support while revealing the social nature of intellectual endeavors. Experience with several faculty and staff members who are coordinating course activities will encourage students to discover and appreciate the relationship of disciplines, knowledge, and extracurricular life at the university.

**Liberal Studies and Transfer Students**

Courses transferred from other institutions to fulfill Liberal Studies requirements will be evaluated by the Registrar in consultation with the appropriate department head, advising center designee, or the assistant vice chancellor for undergraduate studies, based on university guidelines. Credit earned by examination and advanced placement may be applied toward fulfillment of Liberal Studies requirements.

Students who have completed the general education core (44 hours) or the Associate of Arts Degree or the Associate of Science Degree in the North Carolina Community College System will have the Liberal Studies requirements waived. However, if a student has completed the Associate of Applied Science Degree, Associate of Fine Arts or other degree program in the North Carolina Community College System, the student's academic transcript will be evaluated for transfer credit on a course by course basis. When a transfer student has completed the General Education or Liberal Studies requirements of a public or private institution outside of the University of North Carolina system, the Associate Provost for undergraduate studies, in consultation with the Advising Center and the Liberal Studies Committee, will determine whether that institution's general education program is sufficiently similar to Western Carolina University's Liberal Studies program to warrant a blanket waiver of the Liberal Studies requirements.
Liberal Studies Program Requirements

The Liberal Studies component includes a total of forty-two semester hours, distributed as listed below.

The Core (21 hours)

C1. Writing (6 hours)

- ENGL 101 - Writing and Rhetoric Credits: 3
- ENGL 202 - Writing and Critical Inquiry Credits: 3

C2. Mathematics (3 hours)

Satisfied if student passes any MATH course 101 or higher, except for MATH 190-199, MATH 301, and MATH 400)

- MATH 101 - Mathematical Concepts Credits: 3
- MATH 130 - College Algebra Credits: 3
- MATH 170 - Applied Statistics Credits: 3

C3. Oral Communication (3 hours)

- COMM 201 - Foundations Communication Credits: 3

C4. Wellness (3 hours)

- HEAL 111 - Stress Management for Health and Wellness Credits: 3
- HEAL 123 - Health and Wellness Credits: 3
- HSCC 101 - Nutrition, Fitness, and Wellness Credits: 3

C5. Physical and Biological Sciences (6 hours)

Courses must be taken in two different disciplines

Other 100-200 level science courses from AST, BIOL, CHEM, ENVH, GEOL, NRM, and PHYS (with the exceptions of ENVH 200, ENVH 210, and courses numbered from 190-199) meet this requirement.

- AST 102 - Introductory Observational Astronomy Credits: 3
- AST 103 - The Solar System Credits: 3
- AST 104 - Cosmic Evolution Credits: 3
- BIOL 102 - Human Genetics Credits: 3
- BIOL 103 - Environmental Biology **Credits:** 3
- BIOL 104 - Human Biology **Credits:** 3
- BIOL 105 - Biology in the 21st Century **Credits:** 3
- CHEM 101 - Chemistry in Society **Credits:** 3
- ENVH 130 - Environmental Health Science: Systems and Solutions **Credits:** 3
- ESI 140 - Oceanography **Credits:** 3
- GEOL 140 - Investigations in Environmental Geology **Credits:** 3
- GEOL 150 - Methods in Geology **Credits:** 4
- NRM 140 - Natural Resource Conservation and Management **Credits:** 3
- PHYS 105 - Contemporary Physics **Credits:** 3

**The First-Year Seminar (3 hours)**

1. **Students transferring in 0-15 credit hours are required to take this course in their first year.**
2. **Students with 15.1 - 29.9 transfer credit hours are eligible to take a First-Year Seminar, but it is not required. The First Year Seminar is waived and the student does not have to make up the hours in the Liberal Studies program, but will still need to graduate with the same number of hours required by the program of the major.**
3. **Students with 30 or more transfer credit hours are not eligible to take First-Year Seminar.**
4. **Grading for the First-Year Seminar is A, B, C, or U (Unsatisfactory).**
5. **If a student receives a "U" grade in the First Year Seminar, he/she must make up the hours by taking another course in the Liberal Studies program.**
6. **Transition courses such as LEAD, COUN, USI 101 and 130 are not considered First-Year Seminars.**

- ACCT 195 - Introduction to Fraud Examination **Credits:** 3
- ART 191 - Integral Arts **Credits:** 3
- BA 195 - Movers and Shakers: Experienced Leaders and Experiential Leadership **Credits:** 3
- BIOL 190 - Discoveries in Biology **Credits:** 3
- BIOL 192 - Plants and Society **Credits:** 3
- BIOL 193 - Forensic Biology **Credits:** 3
- BIOL 194 - Biotechnology: Methods, Applications, and Implications **Credits:** 3
- CHEM 190 - Chemistry in Industry **Credits:** 3
- CHEM 191 - Issues in Environmental Chemistry **Credits:** 3
- CHEM 192 - Human Gene Discovery Laboratory **Credits:** 3
- CHEM 193 - Chemistry in the Arts **Credits:** 3
- CHEM 194 - Forensic Chemistry **Credits:** 3
- CIS 195 - The Information Society at Work **Credits:** 3
- CJ 190 - Controversies in Criminal Justice **Credits:** 3
• CM 190 - Green Building and Sustainability Credits: 3
• COMM 190 - A User's Guide to the Mass Media Credits: 3
• CS 191 - How Does Software Work? Credits: 3
• EDCI 191 - Teachers, Schools, and Society Credits: 3
• ENGL 190 - Freshman Seminar in Literature Credits: 3
• ENGL 191 - Freshman Seminar in Creative Writing Credits: 3
• ENGL 192 - First Year Seminar in Motion Picture Studies Credits: 3
• ENGR 190 - Technology Systems Credits: 3
• ENGR 199 - Introduction to Engineering Practices and Principles I Credits: 3
(Engineering majors only)
• ENT 195 - Social Entrepreneurship: Creating Innovative Solutions to Social Problems Credits: 3
• ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution Credits: 3
• FIN 195 - You and Your Money (First Year Seminar) Credits: 3
• GEOL 191 - Geology, Landscapes, and the Human Psyche Credits: 3
• GER 190 - Triumph and Tragedy Reflected in Modern German Film Credits: 3
• HIST 190 - Freshman Seminar Credits: 3
• HSCC 191 - Does Inequality Make You Sick? Credits: 3
• HSCC 192 - Introduction to Health Professions Credits: 3
• JPN 190 - First Year Seminar: An Introduction to Japanese Popular Culture Credits: 3
• LAW 195 - Contemporary Legal Issues Credits: 3
• MATH 190 - Mathematical Models of Population Growth Credits: 3
• MATH 191 - Mathematics in Social Choice and Decision-Making Credits: 3
• MATH 192 - Fractals: The Geometry of Nature Credits: 3
• MATH 193 - Cryptography: The Science of Secrets Credits: 3
• MKT 195 - Facebook Generation Marketing Credits: 3
• MUS 190 - First-Year Seminar Credits: 3
• MUS 191 - Integral Arts Credits: 3
• ND 190 - Personal Nutrition Credits: 3
• PAR 190 - Freedom, Culture, and Utopia Credits: 3
• PSC 190 - Freshman Seminar in Political Science Credits: 3
• PSY 190 - Freshman Seminar Credits: 3
• PT 190 - Caring for the Aging Population: Challenges and Solutions Credits: 3
• SPAN 190 - Celluloid and Paper Dreams: Hispanic Literature and Film Credits: 3
• USI 190 - Research and Critical Inquiry Credits: 3

The Perspectives (18 hours)

P1. Social Sciences (6 hours)
Courses must be taken in two different disciplines.

- ANTH 110 - Origins of Civilization Credits: 3
- ANTH 414 - Minority Groups Credits: 3  
  (Upper-Level Course)
- ASI 250 - Introduction to Appalachian Studies Credits: 3
- BA 133 - Introduction to Business Credits: 3
- BIOL 334 - Biotechnology and Society Credits: 3  
  (Upper-Level Course)
- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
- ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
- ENVH 200 - Introduction to Public Health Credits: 3
- ENVH 300 - Occupational Health Credits: 3  
  (Upper-Level Course)
- FIN 210 - Managing your Money for Financial Success Credits: 3
- FIN 350 - So You Want to Be a Millionaire Credits: 3  
  (Upper-Level Course)
- HSCC 307 - Evaluating Health Claims: Fact or Quack Credits: 3  
  (Upper-Level Course)
- LAW 105 - Introduction to Law Credits: 3
- LAW 406 - Media Law Credits: 3  
  (Upper-Level Course)
- MKT 409 - Negotiations/Relationship Marketing Credits: 3  
  (Upper-Level Course)
- PSC 101 - American Government and Politics Credits: 3
- PSY 150 - General Psychology Credits: 3
- PSY 320 - Developmental Psychology I: Childhood Credits: 3  
  (Upper-Level Course)
- PSY 331 - Human Sexuality Credits: 3  
  (Upper-Level Course)
- PSY 370 - Psychology and Law Credits: 3  
  (Upper-Level Course)
- PT 400 - Complimentary and Integrative Therapies Credits: 3  
  (Upper-Level Course)
- RTH 300 - Health and Healing - The Spirit-Mind-Body Connection Credits: 3  
  (Upper-Level Course)
- SOC 103 - Human Society Credits: 3
- SOC 235 - Social Problems Credits: 3
- SOC 414 - Minority Groups Credits: 3  
  (Upper-Level Course)
- SOCW 251 - Social Issues, Policy and Programs Credits: 3
- SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment Credits: 3  
  (Upper-Level Course)
SOCW 402 - Diversity in Contemporary Society  **Credits:** 3  
*(Upper-Level Course)*

**P2. Category Has Changed to Core 5 (Physical & Biological Sciences)**

**P3. History (3 hours)**

- HIST 107 - World Cultures in Historical Perspective  **Credits:** 3  
- HIST 131 - North American History to 1865  **Credits:** 3  
- HIST 132 - U.S. History Since 1865  **Credits:** 3  
- HIST 210 - African History to 1880  **Credits:** 3  
- HIST 211 - African History Since 1880  **Credits:** 3  
- HIST 212 - Latin American History I  **Credits:** 3  
- HIST 213 - Latin American History II  **Credits:** 3  
- HIST 220 - Ancient Empires: 3000BCE-CE300  **Credits:** 3  
- HIST 221 - The Birth of Europe: 312-1517  **Credits:** 3  
- HIST 222 - European History Since 1517  **Credits:** 3  
- HIST 233 - U.S. Legal History  **Credits:** 3  
- HIST 234 - Immigration and Ethnicity in U.S. History  **Credits:** 3  
- HIST 235 - The History of American Sports  **Credits:** 3  
- HIST 236 - Native American Lives  **Credits:** 3  
- HIST 237 - African American History  **Credits:** 3  
- HIST 238 - History of American Pop Culture: Music, Movies, and Media  **Credits:** 3  
- HIST 250 - Urban History: Cities and Suburbs in the United States  **Credits:** 3  
- HIST 303 - The African Diaspora  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 308 - Explorations in Regional History  **Credits:** 3, R12  
*(Upper-Level Course)*  
- HIST 311 - Ancient Greece and Rome  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 312 - The Early Middle Ages  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 313 - Medieval Europe  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 315 - Renaissance and Reformation  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 317 - History of Twentieth-Century International Relations  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 330 - Modern Germany  **Credits:** 3  
*(Upper-Level Course)*  
- HIST 335 - History of Capitalism  **Credits:** 3  
*(Upper-Level Course)*
- **HIST 337 - History of Slavery** **Credits:** 3  
  *(Upper-Level Course)*
- **HIST 341 - North Carolina History** **Credits:** 3  
  *(Upper-Level Course)*
- **HIST 351 - History of American Education** **Credits:** 3  
  *(Upper-Level Course)*
- **HIST 373 - Modern Asia** **Credits:** 3  
  *(Upper-Level Course)*
- **HIST 375 - Middle East Since Mohammed** **Credits:** 3  
  *(Upper-Level Course)*
- **MATH 301 - History of the Scientific Revolution** **Credits:** 3  
  *(Upper-Level Course)*

**P4. Humanities (3 hours)**

- **CS 210 - Internet Security and Ethics** **Credits:** 3  
  *(Upper-Level Course)*
- **ECON 344 - Ethics of Capitalism** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 206 - Literature and the Environment** **Credits:** 3  
- **ENGL 207 - Popular Literature and Culture** **Credits:** 3  
- **ENGL 209 - Past Times: Literature and History** **Credits:** 3  
- **ENGL 210 - Contemporary African American Literature** **Credits:** 3  
- **ENGL 290 - Literature and the Sacred** **Credits:** 3  
- **ENGL 333 - Introduction to Shakespeare** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 350 - The Renaissance** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 351 - The Beats, Radicals, and Avant-Garde Literature** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 352 - The Journey in Literature** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 353 - Stories Retold** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 367 - Appalachian Literature** **Credits:** 3  
  *(Upper-Level Course)*
- **ENGL 368 - Film Genres** **Credits:** 3, R6  
  *(Upper-Level Course)*
- **ENGL 390 - The Bible as Literature** **Credits:** 3  
  *(Upper-Level Course)*
- **HIST 271 - Religion in America** **Credits:** 3  
- **HIST 281 - Transformations in European Religious History** **Credits:** 3  
- **LAW 201 - Individual Rights** **Credits:** 3  
- **LAW 306 - Women and the Law** **Credits:** 3  
  *(Upper-Level Course)*
• LAW 412 - Business Ethics and Corporate Responsibility Credits: 3  
  (Upper-Level Course)
• PAR 101 - Western Philosophical Traditions Credits: 3
• PAR 102 - Western Moral Traditions Credits: 3
• PAR 146 - Western Religious Traditions Credits: 3
• PAR 201 - Philosophy of Sex and Love Credits: 3
• PAR 250 - Origins of Early Christian Traditions Credits: 3
• PAR 304 - Ancient Greek Thought Credits: 3  
  (Upper-Level Course)
• PAR 306 - Early Modern Philosophy from Copernicus to Kant Credits: 3  
  (Upper-Level Course)
• PAR 307 - From Existentialism to Feminism Credits: 3  
  (Upper-Level Course)
• PAR 309 - Philosophy In and Of Film Credits: 3  
  (Upper-Level Course)
• PAR 312 - Philosophy of Religion Credits: 3  
  (Upper-Level Course)
• PAR 313 - Philosophy of Law Credits: 3  
  (Upper-Level Course)
• PAR 315 - Philosophy of Mind Credits: 3  
  (Upper-Level Course)
• PAR 320 - Philosophical and Religious Classics Credits: 3, R6  
  (Upper-Level Course)
• PAR 330 - America's Wilderness Ethics and Aesthetics Credits: 3  
  (Upper-Level Course)
• PAR 332 - Biomedical Ethics and Social Justice Credits: 3  
  (Upper-Level Course)
• PAR 333 - Environmental Ethics Credits: 3  
  (Upper-Level Course)
• PAR 365 - Faith and Reason from Empire to Enlightenment Credits: 3  
  (Upper-Level Course)
• PAR 366 - Religion and Science Credits: 3  
  (Upper-Level Course)
• PAR 404 - Ancient Cynics, Stoics, and Skeptics Credits: 3  
  (Upper-Level Course)
• SM 340 - Sport Ethics Credits: 3  
  (Upper-Level Course)

P5. Fine and Performing Arts (3 hours)

• ART 104 - Introduction to the Visual Arts Credits: 3
• DA 259 - Dance Appreciation Credits: 3
• FTP 340 - Filmmakers on Filmmaking Credits: 3  
  (Upper-Level Course)
• IDES 250 - Introduction to Interior Design Credits: 3
- MUS 101 - Music Appreciation **Credits: 3**
- MUS 102 - Music in American Culture **Credits: 3**
- MUS 103 - Women and Popular Music **Credits: 3**
- MUS 300 - Country Music: A Cultural and Stylistic History **Credits: 3**  
  *(Upper-Level Course)*
- MUS 302 - History of Rock Music **Credits: 3**  
  *(Upper-Level Course)*
- MUS 304 - Jazz Appreciation **Credits: 3**  
  *(Upper-Level Course)*
- MUS 410 - History of American Musical Theatre **Credits: 3**  
  *(Upper-Level Course)*
- THEA 104 - The Theatre Experience **Credits: 3**
- THEA 310 - World Theatre **Credits: 3**  
  *(Upper-Level Course)*

**P6. World Cultures (3 hours)**

Satisfied if student passes Modern Foregin Language (MFL) 101, 102, 110, 231, 232, 240, or 301) Only three credit hours earned in MFL apply to P6 category.

- ANTH 120 - Comparative Cultural Systems **Credits: 3**
- BA 304 - Business Communications in a Multicultural Environment **Credits: 3**  
  *(Upper-Level Course)*
- CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World **Credits: 3**
- CHIN 101 - Modern Chinese: Language and Culture I **Credits: 3**
- CHIN 102 - Modern Chinese: Language and Culture II **Credits: 3**
- CHIN 231 - Intermediate Modern Chinese I **Credits: 3**
- CHIN 232 - Intermediate Modern Chinese II **Credits: 3**
- CM 365 - Construction & Culture **Credits: 3**  
  *(Upper-Level Course)*
- COMM 415 - Intercultural Communication **Credits: 3**  
  *(Upper-Level course)*
- EDCI 305 - Global Educational Systems **Credits: 3**  
  *(Upper-Level Course)*
- ENGL 131 - Academic English for Non-Native Speakers **Credits: 3**
- ENGL 363 - Globalization and Global Literatures **Credits: 3**  
  *(Upper-Level Course)*
- ENGL 366 - Literature and Immigration **Credits: 3**  
  *(Upper-Level Course)*
- ENGR 365 - Global Engineering and Technology **Credits: 3**
- ENVH 210 - Global Disparities in Public Health **Credits: 3**
- FREN 101 - Experiencing French and the Francophone World **Credits: 3**
- FREN 102 - Experiencing French and the Francophone World II **Credits: 3**
- GEOG 103 - Cultural Geography **Credits:** 3
- GEOG 140 - World Geography **Credits:** 3
- GEOG 440 - Regional Geography **Credits:** 3, R12  
  *(Upper-Level Course)*
- GER 101 - Beginning German I **Credits:** 3
- GER 102 - Beginning German II **Credits:** 3
- GER 110 - Experiencing German and The German-Speaking World: Accelerated  
  **Credits:** 6
- HSCC 205 - Women's Health **Credits:** 3
- HSCC 420 - Cultural Diversity for Health Care Practitioners **Credits:** 3  
  *(Upper-Level Course)*
- JPN 101 - Beginning Japanese I **Credits:** 3
- JPN 102 - Beginning Japanese II **Credits:** 3
- MKT 407 - Global Consumer Culture **Credits:** 3  
  *(Upper Level Course)*
- MUS 303 - The World of Music **Credits:** 3  
  *(Upper-Level Course)*
- ND 310 - Food, Nutrition, and Culture **Credits:** 3  
  *(Upper-Level Course)*
- PAR 145 - Eastern Religious Traditions **Credits:** 3
- PAR 251 - Understanding Islamic Traditions **Credits:** 3
- PAR 260 - Women and Religion **Credits:** 3
- PAR 323 - Mysticism **Credits:** 3  
  *(Upper-Level Course)*
- PAR 342 - Theory and Method in the Study of Religion **Credits:** 3
- PAR 353 - Religion in Film **Credits:** 3  
  *(Upper-Level Course)*
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits:** 3  
  *(Upper-Level Course)*
- PAR 356 - Buddhism **Credits:** 3  
  *(Upper-Level Course)*
- PAR 357 - Hinduism **Credits:** 3  
  *(Upper-Level Course)*
- PAR 367 - Native American Religions **Credits:** 3  
  *(Upper-Level Course)*
- PSC 169 - Global Issues **Credits:** 3
- SM 350 - Global sport and culture **Credits:** 3  
  *(Upper Level Course)*
- SPAN 101 - Experiencing Spanish and the Spanish-Speaking World **Credits:** 3
- SPAN 102 - Experiencing Spanish and the Spanish-Speaking World II **Credits:** 3
- SPAN 301 - Spanish Conversation and Composition I **Credits:** 3  
  *(Upper-Level Course)*
*One upper-level course is required in any perspective category outside the discipline (prefix) of the student's major. Students should not enroll in courses numbered above their class rank without permission of the department offering the course.

NOTE:

Courses used to meet Liberal Studies requirements may be used simultaneously to meet other requirements, including requirements in the major. Be reminded the Upper Level Perspective (ULP) requirement must be met by an approved ULP Liberal Studies course and be outside the discipline of the student's major.
Undergraduate Programs

To be awarded a bachelor's degree, the student must meet the following general requirements:

1. Completion of a minimum of 120 semester hours to a maximum of 128 semester hours under requirements outlined for one of the degree programs.
2. A minimum GPA of 2.0 on all work attempted at Western Carolina University and on all courses in the major. **
3. A minimum of 25 percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of 12 hours in junior-senior courses in the major field.
4. Fifty percent or more of the credits in the major presented for graduation on the junior/senior level unless the degree program being completed by the student is specifically exempted from the requirement.
5. Be enrolled at Western the intended graduation semester or complete the form *Intend to Complete Degree Requirements at Another Institution* (http://registrar.wcu.edu)
6. To participate in a commencement ceremony, a student must be eligible for degree completion at the conclusion of that semester.

** See graduate catalog for graduate degree requirements.
College of Arts and Sciences

Office Information:

340 Stillwell Building
(828) 227-7646

Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/

Dr. Richard Starnes, Dean
Dr. David Kinner, Associate Dean

Faculty and staff directory: http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

The role of the College of Arts and Sciences is to serve as a community of scholarship involving students and faculty in a broad range of intellectual and aesthetic activities.

The most significant of these activities is the teaching/learning process that takes place between students and faculty in classrooms, laboratories, studios, and field locations. The college provides a varied curriculum in the humanities, social sciences and natural sciences. The curriculum includes general education courses that provide the basic intellectual skills and perspectives essential for preparing all university students for effective participation in modern life. In addition, specialized courses are offered that serve the baccalaureate and graduate degree programs of this college and its sister colleges. Many departments in the college are actively involved in teacher preparation.

The College of Arts and Sciences contains the following academic departments: Anthropology and Sociology; Biology; Chemistry and Physics; Communication; Criminology and Criminal Justice; English; Geosciences and Natural Resources; History; Mathematics and Computer Science; Philosophy and Religion; Political Science and Public Affairs; and World Languages. The College also offers baccalaureate degrees in the following interdisciplinary areas: Environmental Science; Forensic Science; and International Studies.

Scholarly productivity through a variety of discipline-related activities is essential to the growth of the college and university. For this purpose, the faculty engage in research, creative activities, and publication. Students are often directly involved in these scholarly activities, which enhance the reputation of the college and university in the broader academic world.

The activities of the college also include service to the university, region, state, nation, and international community. Faculty members act as advisors for undergraduate and graduate students and support extracurricular activities. Faculty participate in university governance through membership on departmental, college, and university committees. College faculty also share intellectual, cultural, and problem-solving interests with audiences throughout Western North Carolina and beyond.
Program Requirements. College-level program requirements for all bachelor of arts degree programs include WLL 231-232 or 240.

Certificate in Public History

Certificate Requirements

Students must choose 12 hours from the following:

- HIST 340 - Introduction to Oral History Credits: 3
- HIST 350 - Introduction to Public History Credits: 3
- HIST 470 - History and Memory in the American South Credits: 3
- HIST 472 - Local History Credits: 3
- HIST 473 - Museum Studies Credits: 3
- HIST 475 - History and Genealogy Credits: 3
- HIST 476 - Studies in Historic Preservation Credits: 3
  Students must complete three additional hours with one of the following:
- HIST 483 - Public/Applied History Capstone Internship Credits: 3
- HIST 484 - Internship Project in History Credits: 3

Note:

History majors and minors may not count these courses for both the major/ minor and the certificate.

Anthropology and Sociology

Office Information:

101 McKee Building
(828) 227-7268

Website: https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/

Dr. Kathleen Brennan, Department Head

Anthropology, BA

Total number of hours for the program: 120. Students must meet all requirements indicated including a second major, minor, or other approved program.

Liberal Studies (42 hours)
Major Requirements (36 hours)

The major requires 36 hours as follows: Six hours of Language courses, nine hours of Anthropology Core courses, nine hours of Perspective courses from three categories (sociocultural/linguistic, archaeology, and bioanthropology) and 12 hours of Anthropology Program Electives are required in the major. Students may also finish an approved Engaged Learning Experience. Each student has the option of working with their departmental advisor to enter into an Engaged Learning Requirement Contract. This contract will detail the specific activities to be undertaken and corresponding deliverable to be produced during the experience. Engaged Learning Experiences may be associated with a travel course, independent study, internship, designated Engaged Learning course, or an independent engaged learning experience.

Language Requirement

MFL 231, 232, or 240 credits: (6)

Anthropology Core

Must take:

- ANTH 110 - Origins of Civilization Credits: 3
- ANTH 120 - Comparative Cultural Systems Credits: 3
- ANTH 341 - History of Anthropological Theory Credits: 3

Anthropology Perspectives (9 hours)

Must take at least one course in each category.

Sociocultural and Linguistic Anthropology:

- ANTH 327 - Economy and Society Credits: 3
- ANTH 349 - Applied Anthropology Credits: 3
- ANTH 350 - Linguistic Anthropology Credits: 2
- ANTH 351 - Environmental Anthropology Credits: 3
- ANTH 365 - Religion, Magic, Myth Credits: 3
- ANTH 379 - Cherokee Arts and Crafts Credits: 3
- ANTH 380 - Ethnographic Research Methods Credits: 3
- ANTH 414 - Minority Groups Credits: 3
- ANTH 417 - Southern Appalachian Culture Credits: 3
- ANTH 419 - Comparative Family Credits: 3
• ANTH 450 - Endangered Languages and Language Revitalization Credits: 3
• ANTH 461 - Indians of North America Credits: 3
• ANTH 465 - Cultures of Latin America Credits: 3
• ANTH 466 - Folklore Credits: 3
• ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3

Archaeology:

• ANTH 320 - Experimental Archaeology Credits: 3
• ANTH 361 - World Prehistory Credits: 3
• ANTH 362 - Southeastern Archaeology Credits: 3
• ANTH 405 - Archaeology of Death Credits: 3
• ANTH 431 - North American Prehistory Credits: 3
• ANTH 440 - Archaeological Field Techniques Credits: 6
• ANTH 441 - Archaeological Problems and Analyses Credits: 3

Bioanthropology:

• ANTH 251 - Introduction to Forensic Anthropology Credits: 3
• ANTH 333 - Medicolegal Death Investigation Credits: 3
• ANTH 342 - Death, Decay, and Deconstruction Credits: 3
• ANTH 360 - Primates Credits: 3
• ANTH 363 - Human Origins Credits: 3
• ANTH 367 - Dental Anthropology Credits: 3
• ANTH 368 - Bioarchaeology Credits: 3
• ANTH 370 - Human Biological Variation Credits: 3
• ANTH 373 - Anthropological Research Methods Credits: 3
• ANTH 400 - Human Osteology Method & Theory Credits: 3
• ANTH 401 - Bone Trauma & Modification Credits: 3
• ANTH 402 - Skeletal Analyses Credits: 3
• ANTH 403 - Taphonomy Credits: 3
• ANTH 406 - Advanced Osteology Credits: 3
• ANTH 486 - Field Recovery of Human Remains Credits: 6
• ANTH 487 - Forensic Anthropology Practicum Credits: 3

Anthropology Program Electives

Electives (12 hours) selected from sophomore, junior and senior level anthropology courses. Students may use up to six hours of Native American Studies (NAS) courses as program electives.
Additional Program Requirements (42 hours)

To complete the program, 42 hours are required, including a second major, minor, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general degree requirements.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/index.aspx to view the eight semester curriculum guide.

Anthropology, BS

Total number of hours for the program: 120. Students must meet all of the requirements indicated including a second major, minor or other approved program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The major requires 36 hours as follows: Nine hours of Anthropology Core courses, nine hours of Perspective courses from three categories (sociocultural/linguistic; archeology, and bio-anthropology), and 18 hours of Anthropology Program Electives are required in the major. Students may also finish an approved Engaged Learning Experience. All students have the option of working with their departmental advisor to enter into an Engaged Learning Requirement Contract. This contract will detail the specific activities to be undertaken and corresponding deliverable to be produced during the experience. Engaged Learning Experiences may be associated with a travel course, independent study, internship, designated Engaged Learning course, or an independent engaged learning experience.

Anthropology Core

Must take:

- **ANTH 110 - Origins of Civilization** Credits: 3
- **ANTH 120 - Comparative Cultural Systems** Credits: 3
- **ANTH 341 - History of Anthropological Theory** Credits: 3

Anthropology Perspectives (9 hours)

Must take at least one course in each category.
Sociocultural and Linguistic Anthropology:

- ANTH 327 - Economy and Society Credits: 3
- ANTH 349 - Applied Anthropology Credits: 3
- ANTH 350 - Linguistic Anthropology Credits: 2
- ANTH 351 - Environmental Anthropology Credits: 3
- ANTH 365 - Religion, Magic, Myth Credits: 3
- ANTH 379 - Cherokee Arts and Crafts Credits: 3
- ANTH 380 - Ethnographic Research Methods Credits: 3
- ANTH 414 - Minority Groups Credits: 3
- ANTH 417 - Southern Appalachian Culture Credits: 3
- ANTH 419 - Comparative Family Credits: 3
- ANTH 450 - Endangered Languages and Language Revitalization Credits: 3
- ANTH 461 - Indians of North America Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- ANTH 466 - Folklore Credits: 3
- ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3

Archaeology:

- ANTH 320 - Experimental Archaeology Credits: 3
- ANTH 361 - World Prehistory Credits: 3
- ANTH 362 - Southeastern Archaeology Credits: 3
- ANTH 405 - Archaeology of Death Credits: 3
- ANTH 431 - North American Prehistory Credits: 3
- ANTH 440 - Archaeological Field Techniques Credits: 6
- ANTH 441 - Archaeological Problems and Analyses Credits: 3

Bioanthropology:

- ANTH 251 - Introduction to Forensic Anthropology Credits: 3
- ANTH 333 - Medicolegal Death Investigation Credits: 3
- ANTH 342 - Death, Decay, and Deconstruction Credits: 3
- ANTH 360 - Primates Credits: 3
- ANTH 363 - Human Origins Credits: 3
- ANTH 367 - Dental Anthropology Credits: 3
- ANTH 368 - Bioarchaeology Credits: 3
- ANTH 370 - Human Biological Variation Credits: 3
- ANTH 373 - Anthropological Research Methods Credits: 3
- ANTH 400 - Human Osteology Method & Theory Credits: 3
- ANTH 401 - Bone Trauma & Modification Credits: 3
Anthropology Program Electives

Electives (18 hours) selected from sophomore, junior, and senior level anthropology courses. Students may use up to six hours of Native American Studies (NAS) courses as program electives.

Additional Program Requirements (42 hours)

To complete the program, 42 hours are required, including a second major, minor, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general degree requirements.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/ to view the eight-semester curriculum guide.

Anthropology, Forensic Anthropology Concentration, BS

Total number of hours for the program: 120. Students must meet all requirements indicated including a second major, minor, or other approved program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements (36 hours)

The major requires 36 hours as follows. Nine hours of Anthropology Core courses, nine hours of Anthropology Perspective courses, nine hours of Forensic Anthropology courses specified for the concentration, and nine hours of Anthropology Program Electives are required in the major. Students may also finish an approved Engaged Learning Experience. Each student has the option of working with their departmental advisor to enter into an Engaged Learning Requirement Contract. This contract will detail the specific activities to be undertaken and corresponding deliverable to be produced during the experience. Engaged Learning Experiences may be associated with a travel course, independent study, internship, designated Engaged Learning course, or an independent engaged learning experience.

Anthropology Core
Must take:

- ANTH 110 - Origins of Civilization Credits: 3
- ANTH 120 - Comparative Cultural Systems Credits: 3
- ANTH 341 - History of Anthropological Theory Credits: 3

Anthropology Perspectives (9 hours)

Must take at least one course in each category:

Sociocultural and Linguistic Anthropology:

- ANTH 327 - Economy and Society Credits: 3
- ANTH 349 - Applied Anthropology Credits: 3
- ANTH 350 - Linguistic Anthropology Credits: 2
- ANTH 351 - Environmental Anthropology Credits: 3
- ANTH 365 - Religion, Magic, Myth Credits: 3
- ANTH 379 - Cherokee Arts and Crafts Credits: 3
- ANTH 380 - Ethnographic Research Methods Credits: 3
- ANTH 414 - Minority Groups Credits: 3
- ANTH 417 - Southern Appalachian Culture Credits: 3
- ANTH 419 - Comparative Family Credits: 3
- ANTH 450 - Endangered Languages and Language Revitalization Credits: 3
- ANTH 461 - Indians of North America Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- ANTH 466 - Folklore Credits: 3
- ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3

Archaeology:

- ANTH 320 - Experimental Archaeology Credits: 3
- ANTH 361 - World Prehistory Credits: 3
- ANTH 362 - Southeastern Archaeology Credits: 3
- ANTH 405 - Archaeology of Death Credits: 3
- ANTH 431 - North American Prehistory Credits: 3
- ANTH 440 - Archaeological Field Techniques Credits: 6
- ANTH 441 - Archaeological Problems and Analyses Credits: 3

Bioanthropology:

- ANTH 333 - Medicolegal Death Investigation Credits: 3
- ANTH 342 - Death, Decay, and Deconstruction Credits: 3
- ANTH 360 - Primates **Credits:** 3
- ANTH 363 - Human Origins **Credits:** 3
- ANTH 367 - Dental Anthropology **Credits:** 3
- ANTH 368 - Bioarchaeology **Credits:** 3
- ANTH 370 - Human Biological Variation **Credits:** 3
- ANTH 373 - Anthropological Research Methods **Credits:** 3
- ANTH 401 - Bone Trauma & Modification **Credits:** 3
- ANTH 402 - Skeletal Analyses **Credits:** 3
- ANTH 403 - Taphonomy **Credits:** 3
- ANTH 406 - Advanced Osteology **Credits:** 3
- ANTH 486 - Field Recovery of Human Remains **Credits:** 6
- ANTH 487 - Forensic Anthropology Practicum **Credits:** 3

**Forensic Anthropology Concentration**

- ANTH 251 - Introduction to Forensic Anthropology **Credits:** 3
- ANTH 300 - Human Osteology **Credits:** 3
- ANTH 400 - Human Osteology Method & Theory **Credits:** 3

**Anthropology Program Electives**

Electives (9 hours) selected from junior and senior level anthropology courses. Students may use up to 6 hours of Native American Studies (NAS) courses as program electives.

**Additional Program Requirements (42 hours)**

To complete the program, 42 hours are required, including a second major, minor, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general degree requirements.


**Sociology, BA**

Total number of hours for the program: 120. Students must meet all requirements indicated including a second major, minor, or other approved program.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements
Major Requirements

The major requires 39 hours, including 18 hours from the following:

Any World Languages and Literatures course. Credits: 6

- SOC 103 - Human Society Credits: 3
- SOC 385 - Methods of Social Research Credits: 3
- SOC 386 - Analysis of Social Data Credits: 3
- SOC 391 - Sociological Theory Credits: 3

Electives

To complete a sociology major, students should select electives (21 hours) sophomore-, junior-, or senior level sociology courses.

Optional Engaged Learning Experience:

Students may also finish an approved Engaged Learning Experience. Students should work with their departmental advisor to enter into an Engaged Learning Requirement Contract detailing the specific activities to be undertaken and corresponding deliverables to be produced during the experience. Engaged Learning Experiences may be associated with an international travel course, independent study, internship, designated Engaged Learning Experience course, or an independent engaged learning experience.

Additional Requirements

To complete the degree, 39 hours are required, including a minor, second major, or other approved program. To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/ to view the eight-semester curriculum guide.

Sociology, BS

Total number of hours for the program: 120. Students must meet all requirements indicated including a second major, minor, or other approved program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements
The major requires 33 hours including all the courses (twelve hours) in the following list:

- SOC 103 - Human Society **Credits:** 3
- SOC 385 - Methods of Social Research **Credits:** 3
- SOC 386 - Analysis of Social Data **Credits:** 3
- SOC 391 - Sociological Theory **Credits:** 3

**Electives**

To complete a sociology major, students should select electives (21 hours) from sophomore-, junior-, or senior-level sociology courses.

**Optional Engaged Learning Experience**

Students may also finish an approved Engaged Learning Experience. Students should work with their departmental advisor to enter into an Engaged Learning Requirement contract detailing the specific activities to be undertaken and corresponding deliverables to be produced during the experience. Engaged Learning Experiences may be associated with an international travel course, independent study, internship, designated Engaged Learning Experience course, or an independent engaged learning experience.

**Additional Requirements**

To complete the degree, 45 hours are required, including a minor, second major, or other approved program. To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/ to view the eight-semester curriculum guide.

**Biology**

**Office Information:**

132 Natural Science Building  
(828) 227-7244


Dr. Thomas Martin, Department Head

**Biology, BS**

Total number of hours for the Program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 47 hours of core courses, including: Senior Research, three hours, at the senior level (choose from BIOL 480, 495, 498 and 499) and 25 hours of a concentration.

- BIOL 140 - Principles of Biology I **Credits:** 4
- BIOL 141 - Principles of Biology II **Credits:** 4
- BIOL 240 - Introduction to Genetics **Credits:** 4
- BIOL 241 - Introduction to Ecology and Evolution **Credits:** 4
- CHEM 139 - General Chemistry I **Credits:** 4
- CHEM 140 - General Chemistry II **Credits:** 4
- CHEM 241 - Organic Chemistry I **Credits:** 4
- CHEM 242 - Organic Chemistry II **Credits:** 4
- MATH 153 - Calculus I **Credits:** 4
- PHYS 130 - Introductory Physics I **Credits:** 4
- PHYS 131 - Introductory Physics II **Credits:** 4

**Concentrations:**

Concentration (25 hours) selected from one of the following:

**Ecology and Evolutionary Biology**

- BIOL 304 - General Ecology **Credits:** 3
- BIOL 306 - Evolutionary Biology **Credits:** 3
- BIOL 375 - Methods in Ecology and Evolution **Credits:** 4

**Guided Electives (15 hours).**

May include two non-biology courses:

- One elective from the Ecology and Evolution set
- One elective from the Organismal Biology set
• One elective from the Cell and Molecular Biology set
• Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours.

General Biology

• BIOL 304 - General Ecology Credits: 3
• BIOL 306 - Evolutionary Biology Credits: 3
• BIOL 333 - Cell and Molecular Biology Credits: 4

Guided Electives (15 hours).

May include two non-biology courses:

• One Elective from the Ecology and Evolution set
• One elective from the Organismal Biology set
• One elective from the Cell and Molecular Biology set
• Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours.

Cellular and Molecular Biology

• BIOL 333 - Cell and Molecular Biology Credits: 4
• BIOL 361 - Principles of Biochemistry Credits: 3
• BIOL 419 - Cell Biology Credits: 3

Guided Electives (15 hours)

May include two non-biology courses:

• One elective from the Ecology and Evolution set
• One elective from the Organismal Biology set
• One elective from the Cell and Molecular Biology set
• Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours.

Pre-Health Professional

• BIOL 333 - Cell and Molecular Biology Credits: 4
• BIOL 361 - Principles of Biochemistry Credits: 3
• BIOL 411 - Animal Physiology Credits: 3
Guided Electives (15 hours)

May include two non-biology courses:

- One elective from the Ecology and Evolution set
- One elective from the Organismal Biology set
- One elective from the Cell and Molecular Biology set
- Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours.

General Electives

General Electives include 6-15 hours (depending on the hours taken for Liberal Studies that also count in the major.) Six hours general electives at the 300/400 (junior/senior) level are required to complete the program for each of the concentrations offered. Students must take at least 30 hours of all courses at the 300/400 level (junior-senior) level at WCU to satisfy general university requirements.

Biology Elective Course Sets

Cell and Molecular Biology Elective Set

- BIOL 313 - Microbiology in Health and Nutrition Credits: 4
- BIOL 333 - Cell and Molecular Biology Credits: 4
- BIOL 361 - Principles of Biochemistry Credits: 3
- BIOL 412 - Cellular and Molecular Immunology Credits: 3
- BIOL 413 - Principles of General Microbiology Credits: 4
- BIOL 414 - Methods of General Microbiology Credits: 2
- BIOL 416 - Plant Molecular Biology Credits: 3
- BIOL 417 - Biochemistry Credits: 3
- BIOL 418 - Advanced Techniques in Microscopy Credits: 4
- BIOL 419 - Cell Biology Credits: 3
- BIOL 421 - Principles of Biotechnology Credits: 4
- BIOL 422 - Forensic Biology Credits: 4
- BIOL 423 - Biophysics Credits: 3
- BIOL 424 - Pharmacology Credits: 3
- BIOL 461 - Molecular Medicine Credits: 3
- BIOL 474 - Virology Credits: 4
- CHEM 370 - Instrumental Analysis I Credits: 4
- CHEM 435 - Instrumental Analysis II Credits: 3
- CHEM 462 - Molecular Bioinformatics Credits: 3
Ecology and Evolution Elective Set

- BIOL 304 - General Ecology Credits: 3
- BIOL 306 - Evolutionary Biology Credits: 3
- BIOL 330 - Population Genetics for Forensic Science Credits: 3
- BIOL 375 - Methods in Ecology and Evolution Credits: 4
- BIOL 420 - Darwin's Origin of Species Credits: 3
- BIOL 433 - Ecological Co-Adaptations Credits: 4
- BIOL 434 - Terrestrial Landscape Ecology Credits: 4
- BIOL 435 - Aquatic Ecology Credits: 4
- BIOL 438 - Ecological Restoration Credits: 3
- BIOL 441 - Conservation Biology Credits: 3
- BIOL 453 - Principles of Systematics Credits: 3
- BIOL 471 - Animal Behavior Credits: 4
- BIOL 473 - Microbial Ecology Credits: 4
- CHEM 461 - Environmental Chemistry Credits: 3
- GEOL 455 - Wetlands Credits: 3
- NRM 371 - Landscape Ecology Credits: 3
- NRM 442 - Natural Resources Policy and Administration Credits: 3

Organismal Biology Elective

- BIOL 321 - Plant Biology Credits: 4
- BIOL 326 - Plants and Human Affairs Credits: 3
- BIOL 373 - Invertebrate Zoology Credits: 4
- BIOL 374 - Vertebrate Zoology Credits: 4
- BIOL 411 - Animal Physiology Credits: 3
- BIOL 415 - Plant Physiology Credits: 3
- BIOL 425 - Flora of the Southern Appalachians Credits: 4
- BIOL 452 - Plant Anatomy Credits: 4
- BIOL 455 - Vascular Plants Credits: 4
- BIOL 470 - Biology of Arthropods Credits: 4
- BIOL 472 - Ornithology Credits: 4
- BIOL 475 - Animal Development Credits: 4
- BIOL 476 - Contemporary Fisheries Credits: 4
- BIOL 477 - Herpetology Credits: 4
- BIOL 478 - Parasitology Credits: 3

General Biology Elective Set

- BIOL 389 - Cooperative Education in Biology Credits: 1 or 3, R15
• BIOL 467 - Biostatistics Credits: 3
• BIOL 480 - Research in Biology Credits: 1-3, R6
• BIOL 493 - Studies in Biology Credits: 1-6, R12 -- includes courses available through Highlands Biological Station
• BIOL 495 - Introduction to Senior Thesis Credits: 1
• BIOL 498 - Senior Thesis I Credits: 2
• BIOL 499 - Senior Thesis II Credits: 1
• GEOL 305 - Soils and Hydrology Credits: 4
• MATH 370 - Probability and Statistics I Credits: 3
• MATH 375 - Statistical Methods II Credits: 3
• NRM 344 - Applied Geographic Information Systems Credits: 4
• PAR 330 - America's Wilderness Ethics and Aesthetics Credits: 3
• PAR 332 - Biomedical Ethics and Social Justice Credits: 3
• PAR 333 - Environmental Ethics Credits: 3

**Biology, Minor**

Total number of hours for the program: 23.

**Minor Requirements**

The minor requires 23 hours, including the following:

• BIOL 140 - Principles of Biology I Credits: 4
• BIOL 141 - Principles of Biology II Credits: 4
• BIOL 240 - Introduction to Genetics Credits: 4
• BIOL 241 - Introduction to Ecology and Evolution Credits: 4

**Electives**

And at least seven hours of junior/senior level biology electives.

**Chemistry and Physics**

**Office Information:**

231 Natural Science Building  
(828) 227-7260  

Website: https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/chemphys/

Dr. David Evanoff, Department Head
Chemistry (ACS-Certified Concentration with ABM Option), BS

Total number of hours for the program: 120.

Students completing this concentration are certified by the Committee on Professional Training of the American Chemical Society. This concentration is intended for those students who anticipate pursuing a graduate degree in chemistry or a related field. As this degree concentration requires independent research with a faculty advisor, students anticipating pursuing a career as an R & D chemist will also be best prepared to enter the workforce by completing this degree. The Accelerated Bachelor's/Master's (ABM) option, outlined in detail below, allows students to earn both a BS. and MS in Chemistry from WCU in an accelerated timeframe.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The Chemistry core curriculum requires 45 hours in Chemistry as follows:

- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
- CHEM 232 - Quantitative Analysis Credits: 4
- CHEM 241 - Organic Chemistry I Credits: 4
- CHEM 242 - Organic Chemistry II Credits: 4
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics Credits: 3
- CHEM 361 - Principles of Biochemistry Credits: 3
- CHEM 370 - Instrumental Analysis I Credits: 4
- CHEM 371 - Physical Chemistry Laboratory Credits: 2
- CHEM 495 - Seminar in Chemistry Credits: 1
  or
- CHEM 596 - Seminar in Chemistry Credits: 1
- MATH 153 - Calculus I Credits: 4
- PHYS 230 - General Physics I Credits: 4
- PHYS 231 - General Physics II Credits: 4

ACS-Certified Chemistry Concentration
The concentration requires 24 hours as follows:

- MATH 255 - Calculus II Credits: 4
- MATH 256 - Calculus III Credits: 4
- CHEM 321 - Inorganic Chemistry Credits: 3
- CHEM 380 - Research in Chemistry Credits: 1-3, R12 4 credit hours of CHEM 380 are required.
- CHEM 435 - Instrumental Analysis II Credits: 3
- CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy Credits: 3
- CHEM 471 - Inorganic Syntheses Credits: 1
- CHEM 472 - Organic Syntheses Credits: 1
- CHEM 475 - Biochemistry Laboratory Credits: 1

ACS-Certified Chemistry Concentration ABM Option

The concentration requires 24 hours as follows:

- MATH 255 - Calculus II Credits: 4
- MATH 256 - Calculus III Credits: 4
- CHEM 321 - Inorganic Chemistry Credits: 3
- CHEM 380 - Research in Chemistry Credits: 1-3, R12 4 credit hours of CHEM 380 are required, although ABM students are strongly encouraged to complete at least six hours of research to ensure timely completion of the MS degree.
- CHEM 535 - Instrument Analysis II Credits: 3
- CHEM 553 - Physical Chemistry: Quantum Chemistry and Spectroscopy Credits: 3
  Two of the following three laboratory courses should be taken at the 500-level. The remaining course should be taken at the 400-level.
  - CHEM 471 - Inorganic Syntheses Credits: 1
    or
  - CHEM 571 - Inorganic Syntheses Credits: 1
  - CHEM 472 - Organic Syntheses Credits: 1
    or
  - CHEM 572 - Organic Syntheses Credits: 1
  - CHEM 475 - Biochemistry Laboratory Credits: 1
    or
  - CHEM 575 - Biochemistry Laboratory Credits: 1

Electives

General electives (9-18 hours) are required to complete the program (depending on the number of hours in the major that also count for Liberal Studies). Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree
requirements. Students may wish to consider the following electives to aid in their development as a professional chemist:

- MATH 270 - Statistical Methods I Credits: 3
- ENGL 402 - Technical Writing Credits: 3
- CS 150 - Problem Solving and Programming I Credits: 4
- CS 151 - Problem Solving and Programming II Credits: 4

Students enrolled in the 4+1 option should consider taking an additional 3-credit 500-level chemistry course for an elective to satisfy requirements of the MS degree.

ABM Option

The Accelerated Bachelor's/Master's (ABM) option allows qualified undergraduate students to complete the requirements for both a bachelor's and master's degree at an accelerated pace, in approved, participating programs, by double-counting up to 12 graduate-level credit hours taken after admission into the ABM track.

ABM Student Eligibility Requirements

1. Undergraduate students must have completed a minimum of 60 credit hours in the chemistry undergraduate degree program.
2. Transfer students must have earned a minimum of 24 credit hours at Western Carolina University.
3. Students must have a minimum cumulative WCU grade point average (GPA) of 3.000 at the time of application to the ABM track and must maintain the 3.000 GPA through completion of their bachelor's degree.

Application to the Accelerated Bachelor's/Master's (ABM) Track

1. Prospective ABM student who meet the eligibility requirements above meet with their academic advisor and the graduate program director to develop a tentative plan of study for their bachelor's and master's degree programs and to discuss the ABM requirements.
2. The prospective ABM-track student should be given a copy of the program-specific ABM guidelines at that meeting.
3. The student must submit, while still an undergraduate, the standard application for admission to the Graduate School including an application, application fee, and all required admission materials.
4. After reviewing the submitted application materials, the graduate program director, in consultation with the department's graduate advisory committee, will make a recommendation to the Graduate School to accept or deny a student admission to the master's program, contingent on that student's meeting the ABM eligibility and participation requirements.

Requirements for ABM Participation and Graduation

1. Students must complete their bachelor's degree prior to entering a master's degree program. Consequently, ABM students may not bypass the bachelor's degree.
2. Students must receive a grade of B or higher in the double-counted graduate-level courses. Graduate courses with a grade below a B can count toward the bachelor's degree but cannot be double-counted between the two degrees.

3. No more than 12 credit hours of graduate-level work may be counted towards the requirements of both degrees, and no more than 12 graduate-level credit hours may be taken before conferral of the bachelor's degree.

Continuing ABM Eligibility

1. Students are responsible for understanding and recognizing their eligibility requirements.

2. Students who complete the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000 need program approval to continue to pursue the master's degree.

3. Students who become ineligible to participate in the ABM track must be informed by the program director of their ABM ineligibility. A copy of this letter to the student must be sent to the Graduate School.

4. A student who is ineligible to participate in or withdraws from the ABM cannot double-count any courses for both the bachelor's and master's degrees.

Withdrawal from the ABM Program

A student may withdraw at any time from the ABM track by informing the graduate program director in writing. A copy of this request must be sent to the Graduate School.

After being admitted into graduate school and upon conferral of the student's bachelor's degree with a 3.000 GPA or higher, the student's records will be updated to reflect graduate-level enrollment. At that time, the student will be officially considered to be a graduate student at WCU and may be eligible for fellowships, assistantships, scholarships, and financial assistance available for graduate students.

Additional Information

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/chemphys/ to view the eight-semester curriculum guide.

Chemistry (General Concentration), BS

Total number of hours for the program: 120.

This concentration is intended for those students wishing to pursue a career in a specific chemistry-related discipline other than biochemistry. Students should choose the chemistry courses in the concentration that best represent the chemistry sub-discipline of choice. Students should also consider completing general elective in their intended area of specialization. For example, students wishing to pursue a career in environmental chemistry should consider additional course work in areas such as biology, geology, natural resource management, or environmental health.
Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 45 hours in Chemistry as follows:

- CHEM 139 - General Chemistry I **Credits**: 4
- CHEM 140 - General Chemistry II **Credits**: 4
- CHEM 232 - Quantitative Analysis **Credits**: 4
- CHEM 241 - Organic Chemistry I **Credits**: 4
- CHEM 242 - Organic Chemistry II **Credits**: 4
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits**: 3
- CHEM 361 - Principles of Biochemistry **Credits**: 3
- CHEM 370 - Instrumental Analysis I **Credits**: 4
- CHEM 371 - Physical Chemistry Laboratory **Credits**: 2
- CHEM 495 - Seminar in Chemistry **Credits**: 1
- MATH 153 - Calculus I **Credits**: 4
- PHYS 230 - General Physics I **Credits**: 4
- PHYS 231 - General Physics II **Credits**: 4

*(4 required)*

General Concentration

Concentration Requirements

The concentration requires 15 hours as follows:

- MATH 255 - Calculus II **Credits**: 4
- CHEM 321 - Inorganic Chemistry **Credits**: 3
- CHEM 471 - Inorganic Syntheses **Credits**: 1
- CHEM 472 - Organic Syntheses **Credits**: 1

Choose 6 hours from the following:

- CHEM 411 - Industrial Chemistry **Credits**: 3
- CHEM 421 - Advanced Inorganic Chemistry **Credits**: 3
- CHEM 435 - Instrumental Analysis II **Credits**: 3
- CHEM 440 - Synthetic Organic Chemistry **Credits**: 3
- CHEM 441 - Physical Organic Chemistry **Credits**: 3
- CHEM 445 - Structural Determination **Credits**: 3
General Electives

General electives (18-27 hours) are required to complete the program depending on the number of hours taken in the major that double count for Liberal Studies. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements. Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/chemphys/ to view the eight-semester curriculum guide.

Chemistry (Premedical/Biomedical Science and Technology Concentration), BS

Total number of hours for the program: 120.

This concentration is intended for those students wishing to pursue a career in the biomedical or biotechnology fields, including students wishing to pursue a degree from a medical, dental, pharmacy, veterinary, or optometry school. Specific courses within the concentration should be chosen carefully, based on the intended career path. Students anticipating obtaining a professional degree (such as an MD or PharmD.) should also judiciously choose their electives to satisfy admissions preferences and fully prepare for entrance exams.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 45 hours in Chemistry as follows:

- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
- CHEM 232 - Quantitative Analysis Credits: 4
- CHEM 241 - Organic Chemistry I Credits: 4
• CHEM 242 - Organic Chemistry II Credits: 4
• CHEM 352 - Physical Chemistry: Chemical Thermodynamics Credits: 3
• CHEM 361 - Principles of Biochemistry Credits: 3
• CHEM 370 - Instrumental Analysis I Credits: 4
• CHEM 371 - Physical Chemistry Laboratory Credits: 2
• CHEM 495 - Seminar in Chemistry Credits: 1
• MATH 153 - Calculus I Credits: 4
• PHYS 130 - Introductory Physics I Credits: 4
• PHYS 131 - Introductory Physics II Credits: 4
• PHYS 230 - General Physics I Credits: 4
• PHYS 231 - General Physics II Credits: 4

Premedical/Biomedical Science and Technology Concentration

Concentration Requirements

The concentration requires 22 hours as follows:

• BIOL 140 - Principles of Biology I Credits: 4
• BIOL 141 - Principles of Biology II Credits: 4
• BIOL 240 - Introduction to Genetics Credits: 4
• BIOL 333 - Cell and Molecular Biology Credits: 4
• CHEM 321 - Inorganic Chemistry Credits: 3

and three hours selected from the following:

• BIOL 412 - Cellular and Molecular Immunology Credits: 3
• BIOL 413 - Principles of General Microbiology Credits: 4
• BIOL 419 - Cell Biology Credits: 3
• BIOL 424 - Pharmacology Credits: 3
• CHEM 435 - Instrumental Analysis II Credits: 3
• CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy Credits: 3
• CHEM 462 - Molecular Bioinformatics Credits: 3
• CHEM 463 - Molecular Biotechnology Credits: 3
• CHEM 464 - Genomics Credits: 3

General Electives
General electives (12-20 hours) are required to complete the program depending on the number of hours in the major that double count for Liberal Studies. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements. Pre-medical, pre-dental, pre-pharmacy, pre-veterinary, and pre-optometry students should discuss with their advisors the most appropriate electives for their intended professional school. Some examples of electives that may aid in professional school entrance exams and/or satisfy admissions preferences are included below:

- BIOL 291 - Human Anatomy and Physiology I Credits: 4
- BIOL 292 - Human Anatomy and Physiology II Credits: 4
- CS 150 - Problem Solving and Programming I Credits: 4
- MATH 255 - Calculus II Credits: 4
- MATH 270 - Statistical Methods I Credits: 3
- PAR 230 - Legal, Scientific, & Critical Reasoning Credits: 3

Additional Information

Visit the department's website at http://chemistry.wcu.edu to view the eight-semester curriculum guide.

Communication

Office Information:

233 Stillwell Building
(828) 227-7482

Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/communication/index.aspx

Dr. Katerina Spasovska, Department Head

http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp(search by department)

Communication, BS

Total number of hours for the program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements
The major requires 40 hours including 19 hours in communication core courses and a 21-hour concentration.

**Communication Core 19 hours:**

**Required Practical Course:**

- COMM 240 - Writing for Communication **Credits:** 3

**Required Theory Course:**

- COMM 350 - Communication Theory and Criticism **Credits:** 3

**Required Professional Courses:**

- COMM 296 - Introduction to Professional Development **Credits:** 3
- COMM 483 - Internship in Communications **Credits:** 3, R9
- COMM 496 - Seminar in Professional Development **Credits:** 1

Select two (2) of the following communication courses:

- COMM 301 - Interpersonal Communication **Credits:** 3
- COMM 312 - Small Group & Team Communication **Credits:** 3
- COMM 345 - Public and Mediated Speaking **Credits:** 3
- COMM 415 - Intercultural Communication **Credits:** 3

**Concentrations, 21 hours:**

**Broadcasting:**

- COMM 254 - Radio Production I **Credits:** 3
- COMM 255 - Television Production I **Credits:** 3
- COMM 352 - Writing for Broadcast **Credits:** 3, R6
- LAW 406 - Media Law **Credits:** 3

Select two (2) of the following Broadcasting courses:

- COMM 283 - Radio Practicum I **Credits:** 3
- COMM 284 - Television Practicum I **Credits:** 3
- COMM 354 - Radio Production II **Credits:** 3
- COMM 355 - Television Production II **Credits:** 3
- COMM 383 - Radio Practicum II **Credits:** 3
• COMM 384 - Television Practicum II Credits: 3
• COMM 458 - Broadcast Sales and Promotion Credits: 3
• COMM 493 - Selected Topics in Communication Credits: 3, R9 (with approval of advisor)
• COMM 494 - Communication Projects Credits: 1-3, R6 (with approval of advisor)

Select three (3) hours of communication department electives

Health Communication:

A program concentration that focuses on how people, individually and collectively, understand and accommodate to health and illness as well as on the role of communication and media in shaping professional health care messages and public acceptance of these messages. Includes instruction in the development and use of health-related and care-related messages and media; the goals and strategies of health care promotion; relationships, roles, situations, and social structures in the context of health maintenance and promotion; and the applications of communication to disease prevention, health advocacy, and treatments.

• COMM 303 - Public Relations Writing Credits: 3
• COMM 325 - Health Communication Credits: 3
• COMM 365 - Public Relations Case Studies Credits: 3
• COMM 400 - Crisis Communications Credits: 3
• COMM 403 - Communication Research Methods Credits: 3
• COMM 460 - Public Relations Campaigns Credits: 3

Select one (1) of the following communication courses:

• COMM 204 - Desktop Publishing Credits: 3, R6
• COMM 215 - Organizational Communication Credits: 3
• COMM 307 - Advertising Writing Credits: 3
• COMM 313 - Conflict Resolution Credits: 3
• COMM 375 - Communication in Family and Close Relationships Credits: 3
• COMM 380 - Social Media Communication Campaigns Credits: 3
• COMM 414 - Gender Communication Credits: 3
• COMM 493 - Selected Topics in Communication Credits: 3, R9
• COMM 494 - Communication Projects Credits: 1-3, R6

Journalism:

• COMM 330 - News Reporting I Credits: 3
• COMM 430 - News Reporting II Credits: 3
• CS 130 - Introduction to Computing Credits: 3
• LAW 406 - Media Law Credits: 3
• PSC 169 - Global Issues Credits: 3

Select two (2) of the following communication courses:

• COMM 254 - Radio Production I Credits: 3
• COMM 255 - Television Production I Credits: 3
• COMM 302 - Reporting of Public Affairs Credits: 3, R6
• COMM 304 - Magazine and Feature Writing Credits: 3
• COMM 305 - Sports Writing Credits: 3
• COMM 346 - Communications Ethics and Responsibilities Credits: 3
• COMM 352 - Writing for Broadcast Credits: 3, R6
• COMM 380 - Social Media Communication Campaigns Credits: 3
• COMM 385 - News Practicum I Credits: 3
• COMM 403 - Communication Research Methods Credits: 3
• COMM 431 - International Reporting Credits: 3
• COMM 493 - Selected Topics in Communication Credits: 3, R9 (with approval of advisor)
• COMM 494 - Communication Projects Credits: 1-3, R6 (with approval of advisor)

Public Relations:

• COMM 204 - Desktop Publishing Credits: 3, R6
• COMM 260 - Introduction to Public Relations Credits: 3
• COMM 303 - Public Relations Writing Credits: 3
• COMM 365 - Public Relations Case Studies Credits: 3
• COMM 460 - Public Relations Campaigns Credits: 3

Select one (1) communication course from the following:

• COMM 307 - Advertising Writing Credits: 3
• COMM 346 - Communications Ethics and Responsibilities Credits: 3
• COMM 380 - Social Media Communication Campaigns Credits: 3
• COMM 400 - Crisis Communications Credits: 3
• COMM 403 - Communication Research Methods Credits: 3
• COMM 414 - Gender Communication Credits: 3
• COMM 493 - Selected Topics in Communication Credits: 3, R9
  (with approval of advisor)
• COMM 494 - Communication Projects Credits: 1-3, R6
  (with approval of advisor)
Select three (3) hours of communication department electives

**General Requirements**

To become a Communication major: The student must have a minimum overall GPA of 2.0. First semester freshman and transfer students can declare without an established GPA and are required to obtain a 2.0 GPA at the end of their first semester. Required prerequisites: All students must complete COMM 240 and COMM 301 as a prerequisite to many communication classes. Program Completion: Students must pass with a grade of C (2.00) or better all required courses in the communication degree program. To complete the degree, a total of 38 additional hours is required, including a minor, second communication concentration, second major, or other approved program and student selected general electives. To meet one of the general university degree requirements, students must take at least 30 hours at WCU must be at the junior-senior level.

The Health Communication concentration requires 21 hours. Students who have completed their Liberal Studies courses (42 hours) and the Health Sciences pre-professional major course requirements (20 hours) and who are in good academic standing shall have met the minor requirement for the communication major.

**Criminology and Criminal Justice**

*Office Information:*

410 Belk Building  
(828) 227-7464

Website: http://www.wcu.edu/academics/departments-schools-colleges/cas/casdepts/crimcj/index.asp

*Dr. Stephen Brown, Department Head*

**Criminal Justice, BS**

Total number of hours for the program: 120.

**Admission Requirements:** General admission requirements for undergraduate students can be found on the WCU Admission Requirements page. Freshman are welcome to declare a major in criminal justice, and an earned AA or AS degree from North Carolina Community College System provides for seamless transfers.

**Upper-level requirement:** For all students, 50 percent of earned degree hours and 50 percent of all courses in the major must be at the 300-400 level.
Residential Credit: Residential students are not allowed to take distance education courses or select the distance education concentration in Administration of Justice as part of their program.

Distance Education: Declaration of a major in distance education Criminal Justice does not guarantee admission into the program. Admission includes a two-stage process, with admission into the university as the first stage and admission into the Criminal Justice program (Administration of Justice concentration) as a separate stage. In addition to the admission requirements listed above, distance-education requirements include the following:

- A cumulative 2.0 GPA or better on all coursework at other colleges or universities
- Completion of an Associate of Arts or an Associate of Science degree from a community college or completion of the "44 General Core" courses that satisfy the General Education/Liberal Studies requirement for a North Carolina community college
- At least one year experience (documentable) in the criminal justice field

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements (49 hours)

Major Core Requirements (16 hours)

- CJ 150 - Introduction to Criminal Justice & Criminology Credits: 3
- CJ 185 - Majoring in Criminology and Criminal Justice Credits: 1
- CJ 280 - Research Methods for Criminology & Criminal Justice Credits: 3
- CJ 355 - Theories of Crime Credits: 3
- CJ 380 - Statistical Analysis for Criminology & Criminal Justice Credits: 3
- CJ 495 - Senior Seminar Credits: 3

Additional requirement for residential students (18 hours) include six hours in each of the following areas:

Area 1: The Justice System (six hours)

- CJ 204 - Criminal Law Credits: 3
- CJ 305 - Social Justice and the Law Credits: 3
- CJ 311 - Juvenile Justice and Delinquency Credits: 3
- CJ 320 - Police in Society Credits: 3
- CJ 340 - Institutional Corrections Credits: 3
Area 2: Diversity & Ethics in Criminal Justice (six hours)

- CJ 347 - Gender & Crime Credits: 3
- CJ 354 - Comparative Criminal Justice Systems Credits: 3
- CJ 370 - Ethics in Criminal Justice Credits: 3
- CJ 438 - Minorities, Crime and Social Policy Credits: 3

Area 3: Criminological Issues (six hours)

- CJ 310 - Victimology Credits: 3
- CJ 351 - Violence in American Society Credits: 3
- CJ 375 - White-Collar Crime Credits: 3
- CJ 460 - Drugs and Society Credits: 3
- CJ 463 - Life Course Criminology Credits: 3

Major Electives* (15 hours)

15 hours required with diverse choices available*, including:

- CJ 290 - Introduction to Forensic Science Credits: 3
- CJ 315 - Investigative Principles Credits: 3
- CJ 330 - Criminal Courts Credits: 3
- CJ 323 - Crime Scene Investigations Credits: 3
- CJ 342 - Myths and Media in Criminal Justice Credits: 3
- CJ 343 - Criminal Procedure and Judicial Process Credits: 3
- CJ 365 - Cyber Crimes Credits: 3
- CJ 424 - Community Corrections Credits: 3
- CJ 425 - Police Practices and Problems Credits: 3
- CJ 475 - International Studies in Law and Society Credits: 3, R6
- CJ 480 - Independent Study in Criminology & Criminal Justice Credits: 1-3, R6
- CJ 483 - Internship in Criminal Justice Credits: 3-6, R12
- CJ 493 - Topics in Criminology & Criminal Justice Credits: 3, R12
- EDM 360 - Asset Protection & Critical Infrastructure Credits: 3
- EDM 435 - Homeland Security Credits: 3
- EDM 457 - Terrorism Credits: 3
- EDM 457 - Terrorism Credits: 3

*The 15 hours CJ elective requirement may include additional "area" courses.

- EDM courses may count (double dipping) toward both CJ elective category and EDM minor.
- A minimum of 25 hours in the major must be completed at WCU.

Administration of Justice Concentration for Distance Learning Students Only (49 hours)
Only students with a minimum one year of experience working in the criminal justice field are admitted to this program.

**Major Core requirement (16 hours) as listed above.**

**Concentration Core (nine hours) minimum three of the following:**

- CJ 305 - Social Justice and the Law **Credits: 3**
- CJ 343 - Criminal Procedure and Judicial Process **Credits: 3**
- CJ 434 - Legal Liability and Criminal Justice Personnel **Credits: 3**
- CJ 439 - Criminal Justice Management **Credits: 3**
- CJ 470 - Criminal Justice Policy **Credits: 3**

**Concentration Electives (nine hours) minimum three of the following:**

- CJ 322 - Stress Management in Criminal Justice Professions **Credits: 3**
- CJ 358 - Computer Applications & Criminal Justice **Credits: 3**
- CJ 363 - Geographic Information Systems in Criminal Justice **Credits: 3**
- CJ 365 - Cyber Crimes **Credits: 3**
- CJ 385 - Issues in Correctional Treatment **Credits: 3**
- CJ 425 - Police Practices and Problems **Credits: 3**
- CJ 438 - Minorities, Crime and Social Policy **Credits: 3**
- EDM 360 - Asset Protection & Critical Infrastructure **Credits: 3**
- EDM 435 - Homeland Security **Credits: 3**
- EDM 457 - Terrorism **Credits: 3**

**Additional Major Electives (15 hours)**

Take 15 hours of major elective courses and/or additional hours in the Concentration Core or the Concentration Electives.

**General Electives (29 hours)**

**Emergency and Disaster Management, BS**

Total number of hours for the program: 120.

Admission Requirements: The Emergency and Disaster Management major is only offered as a distance education program. Residential students cannot participate in this major. Admissions requirements include a cumulative 2.0 GPA or better on all coursework at other college or universities, completion of an AA, AS or AAS degree from the community college or substantial progress toward "44 General Core" courses.
that satisfy the General Education/Liberal Studies requirement for North Carolina Community College System provides for seamless transfers.

Coursework taken in Fire Science, Emergency Medical and Emergency Preparedness programs at North Carolina community colleges may transfer into the major (max. 18 credit hours). Fifty percent of earned degree hours and 50 percent of all courses in the major must be the 300/400 level.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 49 hours as follows:

**Major Core Requirement (28 hours):**

- EDM 250 - Introduction to Emergency and Disaster Management **Credits:** 3
- EDM 322 - Social Dimensions of a Disaster **Credits:** 3
- EDM 324 - Emergency Planning **Credits:** 3
- EDM 326 - Risk Assessment and Vulnerability Analysis **Credits:** 3
- EDM 332 - Disaster Response Operations and Management **Credits:** 3
- EDM 335 - Principles of Hazard Mitigation **Credits:** 3
- EDM 340 - Political and Policy Basis of Emergency and Disaster Management **Credits:** 3
- EDM 435 - Homeland Security **Credits:** 3
- EDM 440 - Methods of Disaster Research **Credits:** 3
- EDM 441 - Methods of Disaster Research Project **Credits:** 1

**Major Electives (21 hours):**

- EMC 445 - EMC Systems Management **Credits:** 3
- COMM 400 - Crisis Communications **Credits:** 3

**General Electives**

General Electives (29 hours) are required to complete the program.

**English**

*Office Information:*
English (English Studies Pedagogy), BA

Total number of hours for the program: 120.

This program does not lead to licensure. Only students who also complete the BSEd Secondary and Special Subject Teaching (grades 9-12) English may be recommended for NC Teaching Licensure in English Language Arts.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Language Requirement (6 hours)

MFL 231, 232, 240 Credits: (6)

The BA language requirement (six hours at the intermediary/200-level) is waived for students who are double majoring in the concentration (BA English-ESP) and in the BSEd Secondary English Teaching (grades 9-12) degree. Students double majoring in this concentration (BA English-ESP) and in the BSEd Secondary English Teaching (grades 9-12) degree must satisfy the language requirement for that BSEd degree, which is six hours of any foreign language or languages at any level.

The Major Requires 34 hours:

Gateway Course (1 hour)

- ENGL 200 - Introduction to the English Major Credits: 1

Capstone Course (3 hours)

One (three hours) of the following:

- EDSE 484 - Supervised Internship I Credits: 1-3

or
ENGL 498 - Senior Seminar in English Credits: 3
or
ENGL 492 - ESL Practicum Credits: 3

English Core (6 hours)

Two (six hours) of the following:

- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3

English Studies Pedagogy Methods Core (12 hours)

- ENGL 319 - Grammar, Language, and Discourse Credits: 3
- ENGL 414 - Fundamentals of Teaching Composition Credits: 3
- ENGL 418 - Fundamentals of Teaching Literature Credits: 3
  and
- ENGL 413 - ESL Methods for Content Teachers Credits: 3
  or
- ENGL 416 - Teaching English as a Second Language Credits: 3

English Studies Pedagogy Electives (12 hours)

Twelve hours selected from the following courses.

Note: No more than one liberal studies course may be used to meet the major requirements for the English BA.

NOTE: Students in the BA/English Studies Pedagogy concentration with a TESOL minor may not use an English Studies Pedagogy elective course for both the major and the TESOL minor.

- ENGL 303 - Introduction to Professional Writing and Editing Credits: 3
- ENGL 312 - Grammar for Teachers Credits: 3
- ENGL 325 - Language and Culture Credits: 3
- ENGL 326 - Policies and Politics of ESL Credits: 3
- ENGL 378 - Motion Picture Histories Credits: 3
- ENGL 394 - Film Adaptation Credits: 3, R6
- ENGL 411 - History of the English Language Credits: 3
- ENGL 415 - Introduction to Linguistics Credits: 3
- ENGL 419 - Medieval Literature Credits: 3
- ENGL 420 - Chaucer and His Age Credits: 3
- ENGL 421 - Fairy Tale Literature Credits: 3
- ENGL 422 - Adolescent Literature in Secondary Schools Credits: 3
- ENGL 430 - English Literature of the Renaissance Credits: 3
- ENGL 431 - Shakespeare and His Age Credits: 3
- ENGL 440 - Milton and His Age Credits: 3
- ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
- ENGL 450 - Major Writers Credits: 3, R6
- ENGL 451 - Nineteenth-Century British Writers Credits: 3
- ENGL 459 - Southern Literature Credits: 3
- ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
- ENGL 463 - Contemporary Literature Credits: 3
- ENGL 464 - Native American Literature Credits: 3
- ENGL 465 - Topics in African American Literature Credits: 3
- ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
- ENGL 471 - Studies in Poetry Credits: 3
- ENGL 472 - Studies in Fiction Credits: 3
- ENGL 473 - Studies in Drama Credits: 3
- ENGL 474 - Literary Theory Credits: 3
- ENGL 475 - Modernism Credits: 3
- ENGL 476 - The Short Story Credits: 3
- ENGL 477 - Literature and Gender Credits: 3
- ENGL 478 - Film Theory Credits: 3
- ENGL 479 - Studies in Literature Credits: 3, R6
- ENGL 480 - Studies in English Credits: 1-3, R6
- ENGL 496 - Seminar in World Literature Credits: 3
- ENGL 498 - Senior Seminar in English Credits: 3
- ENGL 333 - Introduction to Shakespeare Credits: 3
- ENGL 350 - The Renaissance Credits: 3
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
- ENGL 352 - The Journey in Literature Credits: 3
- ENGL 353 - Stories Retold Credits: 3
- ENGL 366 - Literature and Immigration Credits: 3
- ENGL 367 - Appalachian Literature Credits: 3
- ENGL 368 - Film Genres Credits: 3, R6
- ENGL 390 - The Bible as Literature Credits: 3

Additional Information:
A total of 120 hours is required to graduate with a BA in English, including a minor, second major (such as BSEd), or other approved program. BA-English Studies Pedagogy students are encouraged to take ENGL classes as their general electives to meet the 120-hour requirement. The number of additional hours (beyond program and Liberal Studies requirements) needed to graduate will vary depending on the hours required by the minor, second major, or approved program.

Note: BA English-English Studies Pedagogy students who do not double major in the BSEd Secondary English Teaching must satisfy the BA Language requirements (MFL 231 & 232 or MFL 240) and must have a minor, second major or approved program.

BA English (Literature, Professional Writing, English Studies Pedagogy, or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature, or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between those majors and this minor is not allowed.

**English (Literature Concentration), BA**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

Language Requirement - six hours

MFL 231, 232, 240 Credits: 6

The major requires 34 hours as follows:

**Gateway Course (1 hour)**

- ENGL 200 - Introduction to the English Major Credits: 1

**The Capstone Course (3 hours)**

- ENGL 498 - Senior Seminar in English Credits: 3

**The following three Survey Core Courses (9 hours)**

- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
• ENGL 241 - Formalism & American Literature **Credits:** 3
• ENGL 242 - Cultural Studies & Non-Western World Literature **Credits:** 3

**One of the following three Professional Writing Courses (3 hours)**

• ENGL 303 - Introduction to Professional Writing and Editing **Credits:** 3
• ENGL 402 - Technical Writing **Credits:** 3
• ENGL 401 - Writing for Careers **Credits:** 3

**Literature and Film Studies Electives (18 hours)**

Eighteen hours of 300-400 level English Literature or Film courses.

Note: NO more than one liberal studies course may be used to meet the major requirements for the English BA.

- ENGL 378 - Motion Picture Histories **Credits:** 3
- ENGL 394 - Film Adaptation **Credits:** 3, R6
- ENGL 411 - History of the English Language **Credits:** 3
- ENGL 419 - Medieval Literature **Credits:** 3
- ENGL 420 - Chaucer and His Age **Credits:** 3
- ENGL 421 - Fairy Tale Literature **Credits:** 3
- ENGL 430 - English Literature of the Renaissance **Credits:** 3
- ENGL 431 - Shakespeare and His Age **Credits:** 3
- ENGL 440 - Milton and His Age **Credits:** 3
- ENGL 441 - The Age of Pope, Swift, and Johnson **Credits:** 3
- ENGL 450 - Major Writers **Credits:** 3, R6
- ENGL 451 - Nineteenth-Century British Writers **Credits:** 3
- ENGL 459 - Southern Literature **Credits:** 3
- ENGL 461 - The "Long 19th Century" in American Literature **Credits:** 3
- ENGL 463 - Contemporary Literature **Credits:** 3
- ENGL 464 - Native American Literature **Credits:** 3
- ENGL 465 - Topics in African American Literature **Credits:** 3
- ENGL 469 - Directors/Screenwriters/Stars **Credits:** 3, R6
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature **Credits:** 3
- ENGL 471 - Studies in Poetry **Credits:** 3
- ENGL 472 - Studies in Fiction **Credits:** 3
- ENGL 473 - Studies in Drama **Credits:** 3
- ENGL 474 - Literary Theory **Credits:** 3
- ENGL 475 - Modernism **Credits:** 3
- ENGL 476 - The Short Story **Credits:** 3
• ENGL 477 - Literature and Gender Credits: 3
• ENGL 478 - Film Theory Credits: 3
• ENGL 479 - Studies in Literature Credits: 3, R6
• ENGL 480 - Studies in English Credits: 1-3, R6
• ENGL 496 - Seminar in World Literature Credits: 3
• ENGL 333 - Introduction to Shakespeare Credits: 3
• ENGL 350 - The Renaissance Credits: 3
• ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
• ENGL 352 - The Journey in Literature Credits: 3
• ENGL 353 - Stories Retold Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
• ENGL 367 - Appalachian Literature Credits: 3
• ENGL 368 - Film Genres Credits: 3, R6
• ENGL 390 - The Bible as Literature Credits: 3

Additional Requirements

A total of 120 hours is required to graduate with a BA, including a minor, second major, or other approved program (at least 38 hours). Literature students are encouraged to take ENGL classes as their general electives to meet the 120 hour requirement. If courses taken in the major also are used to meet Liberal Studies requirements more hours need to be completed to reach the 120 hours required for the degree.

BA English (Literature, Professional Writing, English Studies Pedagogy or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between those majors and this minor is not allowed.

All BSEd Secondary Education - English majors must also enroll in the BA English degree program. Any BA English concentration may be selected (i.e. Literature, Professional Writing, Motion Picture Studies, or English Studies Pedagogy) but the English Studies Pedagogy (ESP) concentration allows completion of both degrees within 120 hours. BSEd Secondary Education - English students who enroll in the BA English - ESP concentration satisfy the BA language requirement with the language requirement of the BSEd Secondary Education - English (six hours in an foreign language or languages). Selection of any other BA English concentration requires completion of the prescribed BA foreign language requirement (six hours MFL 231/232 or 240) and may require students to take coursework beyond 120 hours to complete the requirements of both programs.

English (Motion Picture Studies Concentration), BA

Total number of hours for the program: 120.
Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Language Requirement (6 hours)

- MFL 231, 232 or 240 Credits: (6)

The major requires 34 hours as follows:

Gateway Course (1 hour)

- ENGL 200 - Introduction to the English Major Credits: 1

English Studies Core (6 hours)

Required core course (three hours):
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3

One of the following (three hours):
- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3

Motion Picture Studies Required Courses (15 hours)

All of the following courses:

- ENGL 278 - Introduction to Film Studies Credits: 3
- ENGL 308 - Fiction Writing Credits: 3, R6
- ENGL 394 - Film Adaptation Credits: 3, R6
- ENGL 478 - Film Theory Credits: 3
- FTP 310 - Introduction to Screenwriting Credits: 3

Interdisciplinary Electives (6 hours)

Six hours selected from the following:

- ART 479 - Motion Graphics II Credits: 3, R6
- COMM 255 - Television Production I Credits: 3
- LAW 406 - Media Law Credits: 3
- FTP 320 - Adapting the Short Story Credits: 3
- FTP 321 - Scene Writing Credits: 3
- FTP 340 - Filmmakers on Filmmaking **Credits:** 3
- MUS 469 - Music in Motion Pictures **Credits:** 3
- PAR 309 - Philosophy In and Of Film **Credits:** 3
- PAR 353 - Religion in Film **Credits:** 3

**English Electives (6 hours)**

Six hours of 300-400 level ENGL electives. The following are recommended but not required:

- ENGL 303 - Introduction to Professional Writing and Editing **Credits:** 3
- ENGL 304 - Writing for Electronic Environments **Credits:** 3
- ENGL 307 - Professional Editing and Publishing **Credits:** 3
- ENGL 313 - Authoring Multimedia **Credits:** 3, R6
- ENGL 474 - Literary Theory **Credits:** 3
- ENGL 378 - Motion Picture Histories **Credits:** 3
- ENGL 469 - Directors/Screenwriters/Stars **Credits:** 3, R6
- ENGL 476 - The Short Story **Credits:** 3
- ENGL 472 - Studies in Fiction **Credits:** 3

**Additional Requirements**

A total of 120 hours is required to graduate with a BA, including a minor, second major, or other approved program (at least 38 hours). BA English/Motion Picture Studies students may not declare a Film Studies minor.

BA English (Literature, Professional Writing, English Studies Pedagogy, or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of course between those majors and this minor is not allowed. If courses taken in the major are also used to complete the Liberal Studies requirements, more hours need to be completed to reach the 120 hours required for degree.

All BSEd Secondary Education/English majors must also enroll in the BA English degree program. Any BA English concentration may be selected (i.e. Literature, Professional Writing, Motion Picture Studies, or English Studies Pedagogy) but the English Studies Pedagogy (ESP) concentration allows completion of both degrees within 120 hours. BSEd Secondary/English students who enroll in the BA English-ESP concentration satisfy the BA language requirement with the language requirement of the BSEd Secondary Education-English (six hours in any foreign language or languages). Selection of any other BA English concentration requires completion of the prescribed BA foreign language requirement (six hours MFL 231/232 or 240) and may require students to take coursework beyond the 120 hours to complete the requirements of both programs.
Like all English majors, students concentrating in professional writing are sharp critical and creative thinkers. Professional writing students, you will hone their writing skills, learn to adapt to the changing demands of the marketplace, and prepare for a career in a variety of fields, including marketing, public relations, print, broadcast and electronic media, technical writing, editing and publishing, creative writing, consulting, and work with non-profit and government agencies. Professional writing students also have the option to take several creative writing workshops throughout their program, focusing on fiction, nonfiction, poetry, and drama.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Language Requirement - six hours

MFL 231, 232 or 240 Credits: 6

The major requires 34 hours as follows:

Gateway Course (one hour)

- ENGL 200 - Introduction to the English Major Credits: 1

Capstone Course (three hours)

- ENGL 389 - Cooperative Education: Professional Writing Credits: 1 or 3, R15
- ENGL 483 - Writing Internship Credits: 3

Two of the following three Survey Core Courses (six hours)

- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3

Professional Writing Required Courses (six hours)

- ENGL 302 - Introduction to Creative Writing and Editing Credits: 3
- ENGL 303 - Introduction to Professional Writing and Editing Credits: 3
Professional Writing Electives selected from the following (12 hours):

- ENGL 304 - Writing for Electronic Environments Credits: 3
- ENGL 306 - Nonfiction Writing Credits: 3
- ENGL 307 - Professional Editing and Publishing Credits: 3
- ENGL 308 - Fiction Writing Credits: 3, R6
- ENGL 309 - Poetry Writing Credits: 3, R6
- FTP 310 - Introduction to Screenwriting Credits: 3
- ENGL 315 - Proposal and Grant Writing Credits: 3
- ENGL 401 - Writing for Careers Credits: 3
- ENGL 402 - Technical Writing Credits: 3
- ENGL 405 - Advanced Creative Writing Credits: 3
- ENGL 429 - Studies in Professional Writing Credits: 3
- ENGL 493 - Topics in Creative Writing Credits: 1-3, R6
- ENGL 412 - Grammar for Writers Credits: 3

Guided English Electives (six hours)

Six hours selected from 300-400 level ENGL courses.

Other Requirements:

A total of 120 hours is required to graduate with a BA, including a minor, second major, or other approved program (at least 38 hours). Professional Writing students are encouraged to take ENGL classes as their general electives to meet the 120-hour requirement. BA English (Literature, Professional Writing, English Studies Pedagogy, or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature, or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between majors and this minor is not allowed. All BSEd Secondary Education-English majors must also enroll in the BA English degree program. Any BA English concentration may be selected (i.e. Literature, Professional Writing, Motion Picture Studies, or English Studies Pedagogy), but the English Studies Pedagogy (ESP) concentration allows completion of both degrees within 120 hours. BSEd Secondary Education-English students who enroll in the BA English-ESP concentration satisfy the BA language requirements with the language requirement of the BSEd Secondary Education - English (six hours in any foreign language or languages). Selection of any other BA English concentration requires completion of the prescribed BA foreign language requirement (six hours MFL 231,232 or 240) and may require students to take coursework beyond the 120 hours to complete the requirements of both programs. Visit the department's website at: http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/english/index.asp to view the eight-semester curriculum guide.

English, BSEd
Total number of hours for the program: 120.

**Admission to the English, BSEd Program**

Students seeking admission to the English BSEd Program must declare their major and meet the requirements for admission to the Teacher Education Program.

**Admission to the Professional Education Sequence**

English BSEd students should apply to the Teacher Education Program during their sophomore year. To take Professional Education Sequence courses, English BSEd students must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 is the only course in the Professional Education Sequence that students may take before being admitted to the Teacher Education Program.

**Continuation in the English BSEd Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, students must achieve a minimum 2.75 GPA in the major before they can be recommended for Internship I, and no grade below a C (2.0) for any required course in the core 34 hours in English will be accepted.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements 49 hours**

The major requires 49 hours as follows:

**Modern Foreign Languages: 6 hours**

Any 6 hours in any foreign language or languages.

**Gateway Course: 1 hour**

- ENGL 200 - Introduction to the English Major **Credits: 1**

**English Education Core: 12 hours**

- ENGL 240 - Research, Literary Criticism & British Literature **Credits: 3**
- ENGL 241 - Formalism & American Literature **Credits: 3**
- ENGL 242 - Cultural Studies & Non-Western World Literature **Credits: 3**
• ENGL 278 - Introduction to Film Studies Credits: 3

Grammar/Writing/Methods: 12 hours

• ENGL 312 - Grammar for Teachers Credits: 3
• ENGL 319 - Grammar, Language, and Discourse Credits: 3
• ENGL 414 - Fundamentals of Teaching Composition Credits: 3 and
  ENGL 413 ESL Methods for Content Teachers
or
Engl 416 Teaching English as a Second Language

Required Literature: 9 hours

• ENGL 418 - Fundamentals of Teaching Literature Credits: 3
• ENGL 431 - Shakespeare and His Age Credits: 3
• ENGL 422 - Adolescent Literature in Secondary Schools Credits: 3

Literature Electives 9 hours

Nine hours from any 300-400 level literature courses with an ENGL prefix or EDRD 467, Adolescent Literature. Three of these hours may, but need not, be a course in film studies with an ENGL prefix (♦).

• ENGL 333 - Introduction to Shakespeare Credits: 3
• ENGL 350 - The Renaissance Credits: 3
• ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
• ENGL 352 - The Journey in Literature Credits: 3
• ENGL 353 - Stories Retold Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
• ENGL 367 - Appalachian Literature Credits: 3
• ENGL 368 - Film Genres Credits: 3, R6
• ENGL 378 - Motion Picture Histories Credits: 3 ♦
• ENGL 390 - The Bible as Literature Credits: 3
• ENGL 394 - Film Adaptation Credits: 3, R6 ♦
• ENGL 411 - History of the English Language Credits: 3
• ENGL 419 - Medieval Literature Credits: 3
• ENGL 420 - Chaucer and His Age Credits: 3
• ENGL 421 - Fairy Tale Literature Credits: 3
• ENGL 430 - English Literature of the Renaissance Credits: 3
• ENGL 440 - Milton and His Age Credits: 3
• ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
- ENGL 450 - Major Writers Credits: 3, R6
- ENGL 451 - Nineteenth-Century British Writers Credits: 3
- ENGL 459 - Southern Literature Credits: 3
- ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
- ENGL 463 - Contemporary Literature Credits: 3
- ENGL 464 - Native American Literature Credits: 3
- ENGL 465 - Topics in African American Literature Credits: 3
- ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6♦
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
- ENGL 471 - Studies in Poetry Credits: 3
- ENGL 472 - Studies in Fiction Credits: 3
- ENGL 473 - Studies in Drama Credits: 3
- ENGL 474 - Literary Theory Credits: 3
- ENGL 475 - Modernism Credits: 3
- ENGL 476 - The Short Story Credits: 3
- ENGL 477 - Literature and Gender Credits: 3
- ENGL 478 - Film Theory Credits: 3♦
- ENGL 479 - Studies in Literature Credits: 3, R6
- ENGL 480 - Studies in English Credits: 1-3, R6
- ENGL 496 - Seminar in World Literature Credits: 3
- ENGL 498 - Senior Seminar in English Credits: 3

Additional Requirements

Professional Education Sequence: BSEd in English

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
- EDSE 484 - Supervised Internship I Credits: 1-3
- EDSE 485 - Internship II Credits: 6
- EDSE 495 - Seminar Credits: 3
- ENGL 417 - Methods for Teaching English Credits: 3
- ENGL 491 - Supervised Student Teaching in English, 9-12 Credits: 3
- PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3

Required Coordinating Major

All BSEd Secondary Education-English majors must also enroll in the BA-English degree program. Any BA English concentration may be selected (i.e. Literature, Professional Writing, Motion Picture Studies or English Studies Pedagogy) but the
English Studies Pedagogy (ESP) concentration allows completion of both degrees within 120 hours. BSEd Secondary Education-English students who enroll in the BA-English ESP concentration satisfy the BA language requirement with the language requirement of the BSEd Secondary Education-English (six hours in any foreign language or languages). Selection of any other BA-English concentration requires completion of the prescribed BA foreign language requirement (six hours MFL 231/232 or 240) and may require students to take coursework beyond 120 hours to complete the requirements of both programs. BA English (Literature, Professional Writing, English Studies Pedagogy or Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between those majors and this minor is not allowed. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the core 34 hours in English will be accepted. A total of 120 hours is required to graduate. English Education students are encouraged to take ENGL classes as general electives to meet the 120-hour requirement. Visit the department's website to view the eight-semester curriculum guide.

General Electives

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. English Education students are encouraged to take ENGL classes as general electives to meet the 120 hour requirement. Visit the department's website at http://english.wcu.edu to view the eight-semester curriculum guide.

Geosciences and Natural Resources

Office Information:

331 Stillwell Building
(828) 227-7367

Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/gnr/

Dr. Cheryl Waters-Tormey, Department Head

http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Environmental Science (Interdisciplinary), BS

Total number of hours for program: 120.

Liberal Studies (42 hours)
Liberal Studies Program Requirements

Major Requirements (71 hours)

A "C" grade or higher is required in all courses in the major. Students must have a course plan of guided electives approved by their Environmental Science advisor prior to 45 credits from their intended graduation date.

The major requires 71 hours as follows:

Foundations in Environmental Science

- BIOL 141 - Principles of Biology II Credits: 4
- BIOL 241 - Introduction to Ecology and Evolution Credits: 4
- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
- ES 150 - Introduction and Approaches to Environmental Science Credits: 4
- ES 250 - Seminal Readings in Environmental Sciences Credits: 1
- ES 350 - Seminar in Energy, Economics, and the Environment Credits: 1
- ES 495 - Senior Research Seminar in Environmental Science Credits: 3
- GEOL 150 - Methods in Geology Credits: 4
- GEOG 221 - Introduction to Geospatial Analysis Credits: 3
- ( MATH 146 - Precalculus Credits: 4 or MATH 153 - Calculus I Credits: 4 )

Environmental Health

Choose one from the following list:
- ENVH 310 - Water Quality Control Credits: 3
- ENVH 375 - Environmental Toxicology Credits: 3
- ENVH 440 - Air Quality Control Credits: 3

Environmental Policy

Choose one from the following list:
- ECON 310 - Natural Resource Economics Credits: 3
- ENVH 458 - Environmental Regulation and Law Credits: 3
- ( NRM 442 - Natural Resources Policy and Administration Credits: 3 or )

Environment and Society
Choose one from the following list:

- ANTH 351 - Environmental Anthropology Credits: 3
- PAR 330 - America's Wilderness Ethics and Aesthetics Credits: 3
- PAR 333 - Environmental Ethics Credits: 3
- SOC 371 - Society and the Environment Credits: 3

Advanced Study in the Environmental Sciences

Student must obtain approval of a degree plan from the ES committee prior to pursuing Advanced Study courses. Advanced Study courses must not duplicate Foundations courses.

A. Quantitative Methods

Choose one from the following list:

- BIOL 467 - Biostatistics Credits: 3
- CHEM 232 - Quantitative Analysis Credits: 4
- MATH 270 - Statistical Methods I Credits: 3
- ENVH 470 - Principles of Epidemiology Credits: 4

B. Advanced Environmental Sciences

i. Field & Natural Environmental Science

Choose one from the following list:

- BIOL 435 - Aquatic Ecology Credits: 4
- GEOL 305 - Soils and Hydrology Credits: 4
- GEOL 302 - Geomorphology Credits: 4
- BIOL 375 - Methods in Ecology and Evolution Credits: 4

ii. Analytical/Instrumentation

Choose one from the following list:

- CHEM 330 - Aquatic Chemistry Credits: 4
- CHEM 331 - Environmental Organic Chemistry Credits: 4
- GEOL 465 - Environmental Geochemistry Credits: 3
  or
- ENVH 450 - Industrial Hygiene Laboratory Credits: 2 and
- ENVH 311 - Water Quality Control Laboratory Credits: 1

C. Guided Electives
Guided elective courses may not duplicate other degree requirements. Choose 16 hours of 300-400-level courses that meet any of the following three options:

1. Any courses listed in the Foundations or in Advanced Study categories not used to fulfill the category requirement can be used as guided electives:
2. Any 300-or-higher courses approved by your advisor can be used as guided electives
3. Any course from the list below can be used as guided electives:
   - BIOL 304 - General Ecology Credits: 3
   - BIOL 438 - Ecological Restoration Credits: 3
   - BIOL 441 - Conservation Biology Credits: 3
   - CHEM 370 - Instrumental Analysis I Credits: 4
   - CHEM 435 - Instrumental Analysis II Credits: 3
   - CHEM 461 - Environmental Chemistry Credits: 3
   - COMM 313 - Conflict Resolution Credits: 3
   - ENVH 312 - Solid and Hazardous Materials Management Credits: 3
   - ES 480 - Independent Study Credits: 1-3, R6
   - ES 493 - Topics in Environmental Science Credits: (1-3, R6)
   - GEOG 324 - Introduction to Remote Sensing Credits: 4
   - GEOL 405 - Hydrogeology Credits: 4
   - GEOL 410 - Fluvial Geomorphology Credits: 3
   - GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration Credits: 3
   - GEOL 455 - Wetlands Credits: 3
   - MATH 370 - Probability and Statistics I Credits: 3
   - MATH 375 - Statistical Methods II Credits: 3
   - NRM 320 - Soil Conservation Credits: 3
   - NRM 330 - Introduction to Wildlife Ecology and Management Credits: 3
   - NRM 344 - Applied Geographic Information Systems Credits: 4
   - NRM 351 - Forest Ecology Credits: 3
   - NRM 371 - Landscape Ecology Credits: 3
   - NRM 444 - Applied Geographic Information Systems Credits: 4
   - NRM 460 - Watershed Management Credits: 3
   - SOC 385 - Methods of Social Research Credits: 3

D. General Electives Hours (7-19 hours)

General electives (7-19 hours, depending on the number of hours in the major that double count for Liberal Studies) are required to complete the program.

To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.
Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/gnr/esmht/ to view the eight-semester curriculum guide.

**Forensic Science (Interdisciplinary), BS**

Total number of hours for the program: 124.

**Eligibility to Apply for Admission to Forensic Science Program**

**Pre-Forensic Science Core Major:** Declaration of major in Pre-Forensic Science does not guarantee entry into the Forensic Science Program. Admittance into the program is dependent on completion of program entry requirements. Students should apply to the Forensic Science Program by the end of their sophomore year. For the most up-to-date information regarding these requirements, please visit the Forensic Science Program website at http://forensicscience.wcu.edu.

**Pre-Forensic Science Core Coursework:** All students wishing to apply to the Forensic Science Program must have completed a core set of science courses. This coursework includes BIOL 140 and 270; CHEM 139, 140, and 241; PHYS 130 and 131; and MATH 153 and 270.

**Comprehensive Examination:** All students wishing to apply to the Forensic Science Program must register to take the Forensic Science Comprehensive Entrance Examination at the end of their sophomore year (or as soon as the core science coursework has been satisfied). This exam includes material from core science coursework including General Biology I & II, General Chemistry I & II, Organic Chemistry, Physics I & II, Statistics and Calculus I. A grade of 70% or better on this exam is considered passing. Students not earning a grade of 70% or better may be denied acceptance into the Forensic Science Program. Additional information and registration forms for the comprehensive examination can be found on the Forensic Science Program website.

**Minimum GPA Requirement:** All Forensic Science students must maintain a 2.75 or higher GPA in their major coursework. Students who fail to meet this requirement may be denied entry into the Forensic Science Program. Students are also required to maintain a 2.75 or higher GPA in all major coursework while enrolled as a Forensic Science student.

**Application to the Forensic Science Program**

**Statement of Goals:** All students applying for entry into the Forensic Science Program must submit essays describing their career goals in Forensic Science or a related area. The essay must be no longer than two pages, and should it included with the submitted application packet.

**Memorandum of Understanding:** Students must sign a memorandum which states that they have been advised of the implications of having a criminal record of any kind, and
of the potential to be subjected to a criminal background check should they be accepted into an internship position.

**When do students apply?** To be considered for admission, students must have satisfied (or be in the process of satisfying) all the entry requirements stated above. The admission application packet can be found on the Forensic Science Program website. The completed applications must be received no later than April 1 for fall admission, and October 1 for spring admission. Notifications will be sent to WCU students' email accounts in June for fall admission and in November for spring admission.

**Waivers:** Students with exceptional academic records may appeal one or more of the entry requirements to the Program Director. At the time the waivers are approved, the student will be admitted into the program. The student should note, however, that this type of waiver does not exempt them from completing the course requirements for degree completion.

**Liberal Studies, 42 hours**

**Major requirements, 82 hours as follows:**

**Core Science Courses: (30 hours)**

- BIOL 140 - Principles of Biology | Credits: 4
- CHEM 139 - General Chemistry | Credits: 4
- CHEM 140 - General Chemistry II | Credits: 4
- CHEM 241 - Organic Chemistry | Credits: 4
- MATH 153 - Calculus I | Credits: 4
- MATH 270 - Statistical Methods I | Credits: 3
- PHYS 130 - Introductory Physics I | Credits: 4
- PHYS 131 - Introductory Physics II | Credits: 4

**Additional Natural Science and Forensic Science Courses: (29 Hours)**

- FS 422 - Forensic Biology | Credits: 4
  or
- CHEM 465 - Forensic Chemistry | Credits: 4
- CJ 150 - Introduction to Criminal Justice & Criminology | Credits: 3
- CJ 323 - Crime Scene Investigations | Credits: 3
- CHEM 232 - Quantitative Analysis | Credits: 4
- CHEM 242 - Organic Chemistry II | Credits: 4
- FS 380 - Research in Forensic Science | Credits: 3, R15
  or
- FS 389 - Cooperative Education in Forensic Science | Credits: 3
- FS 463 - The Scientific Method | Credits: 3
• FS 466 - Physical Methods in Forensic Science Credits: 3
• FS 495 - Senior Seminar in Forensic Science Credits: 1, R3

One concentration selected from Biology or Chemistry

Biology Concentration: 17 hours including the following:

• BIOL 240 - Introduction to Genetics Credits: 4
• BIOL 330 - Population Genetics for Forensic Science Credits: 3
  or
• FS 330 - Population Genetics for Forensic Science Credits: 3
• BIOL 333 - Cell and Molecular Biology Credits: 4
• BIOL 361 - Principles of Biochemistry Credits: 3
  or
• CHEM 361 - Principles of Biochemistry Credits: 3

Choose from one of the following (3 hours)

• CHEM 462 - Molecular Bioinformatics Credits: 3
• CHEM 464 - Genomics Credits: 3

Chemistry Concentration: 16 hours selected from the following:

Students must take the following (10 hours)

• CHEM 352 - Physical Chemistry: Chemical Thermodynamics Credits: 3
• CHEM 361 - Principles of Biochemistry Credits: 3
  or
• BIOL 361 - Principles of Biochemistry Credits: 3
• CHEM 370 - Instrumental Analysis I Credits: 4

Choose two of the following (6 hours)

• CHEM 321 - Inorganic Chemistry Credits: 3
• CHEM 435 - Instrumental Analysis II Credits: 3
• CHEM 441 - Physical Organic Chemistry Credits: 3

Guided Electives:

6-15 hours (depending on the number of major courses that also count in Liberal Studies Requirements.)

• ANTH 400 - Human Osteology Method & Theory Credits: 3
Additional Requirements:

Students must take at least 31 hours at the junior-senior level at WCU to satisfy general university degree requirements.

Visit the department's website at http://forensicscience.wcu.edu to view the eight-semester curriculum guide.

Geology, BS

Total number of hours for program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 64 hours, including 30 hours in core courses and 34 hours in a concentration.

Core Courses

- Capstone course such as a research project, senior thesis, or senior research seminar Credits: 3
- GEOL 150 - Methods in Geology Credits: 4
- GEOL 155 - Historical Geology Credits: 4
- GEOL 250 - Introduction to the Rock Forming Minerals Credits: 3
- GEOL 302 - Geomorphology Credits: 4
  or
- GEOL 305 - Soils and Hydrology Credits: 4
- GEOL 355 - Petrology Credits: 4
- GEOL 371 - Structural Geology Credits: 4
- GEOL 422 - Sedimentation and Stratigraphy Credits: 4

Concentrations

Environmental Hydrology Concentration (34 hours)
• CHEM 139 - General Chemistry I Credits: 4
  or
• CHEM 140 - General Chemistry II Credits: 4
  or
• CHEM 330 - Aquatic Chemistry Credits: 4
  or
• CHEM 461 - Environmental Chemistry Credits: 3
  or
• GEOL 405 - Hydrogeology Credits: 4
• GEOL 465 - Environmental Geochemistry Credits: 3
• PHYS 130 - Introductory Physics I Credits: 4
  or
• PHYS 230 - General Physics I Credits: 4

And

• MATH 146 - Precalculus Credits: 4
  and one of the following three math courses:

• MATH 153 - Calculus I Credits: 4
  or
• MATH 170 - Applied Statistics Credits: 3
  or
• MATH 270 - Statistical Methods I Credits: 3

Upper-Level Science/Math Electives (11-12)

Upper-level electives in sciences, chosen from courses below, or mathematics and/or other courses approved by advisor:

• GEOL 410 - Fluvial Geomorphology Credits: 3
• GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration Credits: 3
• GEOL 455 - Wetlands Credits: 3

Solid Earth Concentration (34 hours)

• CHEM 139 - General Chemistry I Credits: 4
  or
• CHEM 140 - General Chemistry II Credits: 4
• GEOL 356 - Advanced Petrology Credits: 2
  or
• GEOL 471 - Tectonics Credits: 3
• PHYS 130 - Introductory Physics I Credits: 4
• PHYS 230 - General Physics I Credits: 4

And

• MATH 146 - Precalculus Credits: 4

and one of the following three math courses:

• MATH 153 - Calculus I Credits: 4

or

• MATH 170 - Applied Statistics Credits: 3

or

• MATH 270 - Statistical Methods I Credits: 3

Plus

• GEOL 465 - Environmental Geochemistry Credits: 3

or

• CHEM 232 - Quantitative Analysis Credits: 4

or

• PHYS 131 - Introductory Physics II Credits: 4

or

• PHYS 231 - General Physics II Credits: 4

Upper Level Math and Science Electives (11 - 14 hours)

Upper-level electives in sciences or mathematics courses approved by advisor.

Interdisciplinary Concentration (34 hours)

• CHEM 139 - General Chemistry I Credits: 4

or

• CHEM 140 - General Chemistry II Credits: 4

• MATH 146 - Precalculus Credits: 4

• MATH 170 - Applied Statistics Credits: 3

or

• MATH 270 - Statistical Methods I Credits: 3

Plus

• BIOL 140 - Principles of Biology I Credits: 4

or

• PHYS 130 - Introductory Physics I Credits: 4

or
• PHYS 230 - General Physics I **Credits:** 4

**Upper Level Math and Science Electives (19 hours)**

Upper-level electives in sciences or mathematics courses approved by advisor. At least nine hours must form an approved set of coherent courses outside of geology.

**General Electives (14-23 hours)**

General electives (14-23 hours) depending on hours taken in major that also meet liberal studies requirements.

**Additional Requirements**

To meet one of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior.

**Note:** Students planning to pursue graduate work, are urged to include the following six courses in the above curriculum: At least two chemistry courses, a Geology Summer Field course and 12 hours as follows:

- MATH 153 - Calculus I **Credits:** 4
- MATH 255 - Calculus II **Credits:** 4
- PHYS 131 - Introductory Physics II **Credits:** 4
- or
- PHYS 231 - General Physics II **Credits:** 4

**Additional Information**

Visit the geology program's website at http://geology.wcu.edu.

**Natural Resource Conservation and Management, BS**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 72 hours, including 54 hours in core courses and a 18-hour concentration:
- BIOL 141 - Principles of Biology II Credits: 4
- BIOL 241 - Introduction to Ecology and Evolution Credits: 4
- CHEM 139 - General Chemistry I Credits: 4
  or
- CHEM 140 - General Chemistry II Credits: 4
- ECON 310 - Natural Resource Economics Credits: 3
- GEOG 221 - Introduction to Geospatial Analysis Credits: 3
- GEOG 324 - Introduction to Remote Sensing Credits: 4
- GEOL 305 - Soils and Hydrology Credits: 4
- MATH 146 - Precalculus Credits: 4
- NRM 210 - Methods in Natural Resources Management Credits: 4
- NRM 330 - Introduction to Wildlife Ecology and Management Credits: 3
- NRM 344 - Applied Geographic Information Systems Credits: 4
- NRM 371 - Landscape Ecology Credits: 3
- NRM 440 - Integrated Resources Management Credits: 4
- NRM 442 - Natural Resources Policy and Administration Credits: 3

Plus

- BIOL 304 - General Ecology Credits: 3
  or
- NRM 351 - Forest Ecology Credits: 3
  (required for the forest resources concentration)

Concentrations

Concentration, 18 hours, selected from the following options:

**Forest Resources Concentration**

Students should take all of the following:

- NRM 351 - Forest Ecology Credits: 3
- NRM 352 - Forest Resource Measurements Credits: 3
- NRM 451 - Foundations of Silviculture Credits: 4
- NRM 452 - Forest Management Credits: 4

**Concentration Electives**

Students should take three hours from the following:

- NRM 460 - Watershed Management Credits: 3
- NRM 483 - Applications in Forest Management Credits: 1-3, R6
- NRM 472 - Geospatial Analysis Credits: 4
- BIOL 438 - Ecological Restoration Credits: 3

Soil and Water Resources Conservation Concentration

Students should take all of the following:

- GEOG 300 - Weather and Climate Credits: 3
- NRM 320 - Soil Conservation Credits: 3
- NRM 420 - Soil Genesis and Classification Credits: 3
- NRM 460 - Watershed Management Credits: 3

Concentration Electives

Students should select six hours from the following:

- GEOL 302 - Geomorphology Credits: 4
- GEOL 405 - Hydrogeology Credits: 4
- GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration Credits: 3
- GEOL 455 - Wetlands Credits: 3
- NRM 472 - Geospatial Analysis Credits: 4

General Electives

General electives (6-15 hours) are required to complete the program depending on the number of hours taken in the major that are also used to fulfill Liberal Studies requirements.

Additional Requirements

To meet one of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level.


History

Office Information:

225 McKee Building
(828) 227-7243
History, BA

Total number of hours for program: 120.

The history degree trains students to connect their personal and local history to regional, national, and global histories. It combines significant academic training in analysis, written and oral communication, and critical thinking with internship opportunities in the public-school classroom, public history institutions, and government, academic, non-profit, spiritual, and corporate institutions. Students completing this degree leave with skills and experiences that train them to be contributing members of society and a global economy.

Note: Students who elect to pursue the BA as part of the double degree licensure program in Social Sciences Education could exceed 128 credit hours.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Survey Courses (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

- HIST 222 - European History Since 1517 Credits: 3
  
  European History (three hours chosen from the following):

- HIST 220 - Ancient Empires: 3000BCE-CE300 Credits: 3

- HIST 221 - The Birth of Europe: 312-1517 Credits: 3
  
  ALAMEA (three hours chosen from the following):

- HIST 210 - African History to 1880 Credits: 3

- HIST 211 - African History Since 1880 Credits: 3

- HIST 212 - Latin American History I Credits: 3

- HIST 213 - Latin American History II Credits: 3

- HIST 373 - Modern Asia Credits: 3
  
  US History (three hours chosen from the following):

- HIST 233 - U.S. Legal History Credits: 3
• HIST 234 - Immigration and Ethnicity in U.S. History **Credits:** 3
• HIST 235 - The History of American Sports **Credits:** 3
• HIST 236 - Native American Lives **Credits:** 3
• HIST 237 - African American History **Credits:** 3
• HIST 238 - History of American Pop Culture: Music, Movies, and Media **Credits:** 3
• HIST 250 - Urban History: Cities and Suburbs in the United States **Credits:** 3

**Note:** For dual-degree students seeking a BA in History and a BSED in Social Science Education, HIST 395 will be double counted as an upper-level division elective course in the history major. It is a requirement in the BSED program in Social Science Education.

**Modern Foreign Language Requirement (6 hours)**

WLL 231-232 or 240 (six hours)

**Methods Credits (6 hours)**

Students will take six hours of methods courses:

• HIST 297 - Sophomore Seminar **Credits:** 3  
  *Three hours from one of the following Advanced Methods/Capstone Course*
• HIST 483 - Public/Applied History Capstone Internship **Credits:** 3  
  *or*
• HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 **Credits:** 3  
  *or*
• 400-Level Capston Designated Seminar Course (three hours)

**Upper Division Electives (18 hours)**

Six courses (18 hours) of 300/400 level electives to include three hours in United States History, three hours in European History, and three hours in ALAMEA (African, Latin American, Middle Eastern, and Asia). Students must have three hours of 400-level electives (in addition to the three hours of methods/capstone listed in the methods credit section above).

**Additional Requirements**

To complete the program, a total of 39 hours is required, including a minor, or a second major, or another approved program and general electives. To meet of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/history/index.asp to view the eight-semester curriculum guide.
History, BS

Total number of hours for program: 120.

The history degree trains students to connect their personal and local history to regional, national, and global histories. It combines significant academic training in analysis, written and oral communication, and critical thinking with internship opportunities in the public-school classroom, public history institutions, and government, academic, non-profit, spiritual, and corporate institutions. Students completing this degree leave with skills and experiences help them become contributing members of society and of a global economy.

Note: Students who elect to pursue the BS as part of the double licensure program in Social Sciences Education (BSED) could exceed 128 credit hours.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements (3 hours)

Math Requirement (3 hours)

- MATH 170 - Applied Statistics Credits: 3

Survey Credits (9 hours)

Students will take three hours from each of the following areas: U.S. History, European History, and ALAMEA (African, Latin American, Middle Eastern, and Asian history).

- HIST 222 - European History Since 1517 Credits: 3
  European History (three hours chosen from the following):
- HIST 220 - Ancient Empires: 3000BCE-CE300 Credits: 3
- HIST 221 - The Birth of Europe: 312-1517 Credits: 3
  ALAMEA (three hours chosen from the following):
- HIST 210 - African History to 1880 Credits: 3
- HIST 211 - African History Since 1880 Credits: 3
- HIST 212 - Latin American History I Credits: 3
- HIST 213 - Latin American History II Credits: 3
- HIST 373 - Modern Asia Credits: 3
  Us History (three hours chosen from the following):
- HIST 233 - U.S. Legal History Credits: 3
- HIST 234 - Immigration and Ethnicity in U.S. History Credits: 3
- HIST 235 - The History of American Sports Credits: 3
• HIST 236 - Native American Lives Credits: 3
• HIST 237 - African American History Credits: 3
• HIST 238 - History of American Pop Culture: Music, Movies, and Media Credits: 3
• HIST 250 - Urban History: Cities and Suburbs in the United States Credits: 3

Methods Credits (6 hours)

Students will take six hours of methods courses:

• HIST 297 - Sophomore Seminar Credits: 3
  One of the following Advanced Methods/Capstone Courses (three hours):
  • HIST 483 - Public/Applied History Capstone Internship Credits: 3
    or
  • HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 Credits: 3
    or
  • 400-Level Capstone designated Seminar Course (three hours)

Upper Division Electives (18 hours)

18 hours of 300/400 level electives to include three hours in United States History, three hours in European History, three hours in ALAMEA History. Students must take three hours at the 400 level (in addition to the Capstone Hours listed in the Methods Credits section above).

Note: For dual-degree students seeking a BS in History and a BSED in Social Science Education, HIST 395 will be double counted as an upper-level division elective course in the history major. It is a requirement in the BSED program in Social Science Education.

Additional Requirements

To complete the program, a total of 42 hours is required, including a minor, or second major, or other approved program and general electives. To meet one of the general university degree requirements, at least 30 hours of the courses taken at WCU must be at the junior-senior level. Students should consult their advisors during the term before their senior year to create a plan for their Capstone Course. Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/history/ to view the eight-semester curriculum guide.

International Studies (Interdisciplinary), BA

The BA in International Studies provides students with the skills necessary to function in a globally interconnected society. Within the program, students will be able to concentrate their studies on the following topics; Peace, Violence, and Security; Global
Governance, Human Rights, and Law; Global Poverty and Economic Development; Religions, Cultures, and Civilizations; or a specific region of the world.

This program must be taken as part of a double major and requires 30 hours of courses. Students must complete a second major or approved course of study to graduate.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**The major requires 30 hours:**

**Modern Foreign Languages (9 hours)**

MFL 231-232 or 240 (six hours) and three hours of MFL at the 300 level in the same language.

*Or*

MFL 231-232 or 240 (six hours) in the same language and three hours MFL in a second language.

**Required Courses and Area of Concentration (18 hours)**

Students must take INST 200 and INST 400 as requirements of the major. INST 200 should be taken toward the beginning of a student's course of study, and INST 400 should be taken during a student's final year at WCU.

To focus their studies on a particular topic or region, students are also required to choose a concentration. Students must take 12 hours of courses within their designated concentration, and those courses must draw from at least two different prefixes/disciplines.

- INST 200 - Introduction to International Studies **Credits:** 3
- INST 400 - International Studies Capstone **Credits:** 3

**Concentration: Peace, Violence, and Security**

If students choose Peace, Violence, and Security as their concentration, they must take 12 hours from the following list of courses:

- COMM 431 - International Reporting **Credits:** 3
- HIST 317 - History of Twentieth-Century International Relations **Credits:** 3
- HIST 402 - History of Peace and Conflict in Africa **Credits:** 3
- HIST 411 - Western Imperialism, 1500 to the Present **Credits:** 3
• HIST 416 - Europe in the Twentieth Century Credits: 3
• HIST 425 - Modern European Military History Credits: 3
• PSC 352 - International Security Credits: 3
• PSC 357 - Political Violence Credits: 3
• PSC 358 - United States Foreign Policy Credits: 3
• PSC 370 - Politics of Ethnic Conflict Credits: 3
• PSC 451 - Model United Nations Credits: 3, R6

Concentration: Global Governance, Human Rights, and Law

Students must take 12 hours from the following list of courses:

• CJ 354 - Comparative Criminal Justice Systems Credits: 3
• CJ 475 - International Studies in Law and Society Credits: 3, R6
• GEOG 444 - Political Geography Credits: 3
• HIST 342 - American Diplomatic History Credits: 3
• LAW 320 - International Business Law Credits: 3
• PAR 392 - Global Justice, Liberty, and Human Rights Credits: 3
• PSC 242 - International Organization Credits: 3
• PSC 353 - International Political Economy Credits: 3
• PSC 354 - International Environmental Politics Credits: 3
• PSC 359 - International Law Credits: 3
• PSC 370 - Politics of Ethnic Conflict Credits: 3
• PSC 451 - Model United Nations Credits: 3, R6

Concentration: Global Poverty and Economic Development

If students choose Global Poverty and Economic Development as their concentration, they must take 12 hours from the following list of courses:

• ANTH 327 - Economy and Society Credits: 3
• ECON 406 - International Trade Credits: 3
• GEOG 350 - Economic Geography Credits: 3
• MKT 407 - Global Consumer Culture Credits: 3
• NAS 452 - The Roots of Health Disparities in Native American Populations Credits: 3
• PAR 354 - Religion, Suffering, and the Moral Imagination Credits: 3
• PSC 316 - Gender and Politics Credits: 3
• PSC 353 - International Political Economy Credits: 3
• PSC 354 - International Environmental Politics Credits: 3
• SOC 434 - Regional and Societal Development Credits: 3
Concentration: Religions, Cultures, and Civilizations

If students choose Religions, Cultures, and Civilizations as their concentration, they must take 12 hours from the following list of courses:

- ANTH 361 - World Prehistory Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
- ENGL 366 - Literature and Immigration Credits: 3
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
- ENGL 496 - Seminar in World Literature Credits: 3
- HIST 236 - Native American Lives Credits: 3
- NAS 471 - Indigenous and Western Psychologies Credits: 3
- PAR 251 - Understanding Islamic Traditions Credits: 3
- PAR 260 - Women and Religion Credits: 3
- PAR 354 - Religion, Suffering, and the Moral Imagination Credits: 3
- PAR 356 - Buddhism Credits: 3
- PAR 367 - Native American Religions Credits: 3
- SM 350 - Global sport and culture Credits: 3
- SOC 373 - The Global Society Credits: 3
- SPAN 321 - Hispanic Cultures I Credits: 3
- SPAN 322 - Hispanic Cultures II Credits: 3

Concentration: Asia

If students choose Asia as their concentration, they must take 12 hours from the following list of courses:

- GEOG 440 - Regional Geography Credits: 3, R12
- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic Credits: 3
- HIST 302 - India in the Modern World Credits: 3
- HIST 373 - Modern Asia Credits: 3
- JPN 305 - Introduction to Japanese Literature in Translation Credits: 3
- JPN 306 - Anime, Manga and Japan Credits: 3
- JPN 307 - Japanese Language in Cinema Credits: 3
- PAR 356 - Buddhism Credits: 3
- PSC 378 - Asian Politics Credits: 3

Concentration: Africa and Middle East
If students choose Africa and Middle East as their concentration, they must take 12 hours from the following list of courses:

- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature  
  **Credits:** 3
- GEOG 440 - Regional Geography  
  **Credits:** 3, R12
- HIST 210 - African History to 1880  
  **Credits:** 3
- HIST 211 - African History Since 1880  
  **Credits:** 3
- HIST 303 - The African Diaspora  
  **Credits:** 3
- HIST 401 - History of Sexualities in Africa  
  **Credits:** 3
- HIST 402 - History of Peace and Conflict in Africa  
  **Credits:** 3
- PAR 251 - Understanding Islamic Traditions  
  **Credits:** 3
- PSC 376 - African Politics  
  **Credits:** 3

**Concentration: Europe**

If students choose Europe as their concentration, they must take 12 hours from the following list of courses:

- GEOG 440 - Regional Geography  
  **Credits:** 3, R12
- HIST 330 - Modern Germany  
  **Credits:** 3
- HIST 416 - Europe in the Twentieth Century  
  **Credits:** 3
- HIST 425 - Modern European Military History  
  **Credits:** 3
- PAR 306 - Early Modern Philosophy from Copernicus to Kant  
  **Credits:** 3
- PSC 375 - European Politics  
  **Credits:** 3
- SPAN 321 - Hispanic Cultures I  
  **Credits:** 3
- SPAN 322 - Hispanic Cultures II  
  **Credits:** 3
- SPAN 394 - Immersion Experience  
  **Credits:** 3-6, R12

**Concentration: The Americas**

If students choose the Americas as their concentration, they must take 12 hours from the following list of courses:

- ANTH 362 - Southeastern Archaeology  
  **Credits:** 3
- ANTH 431 - North American Prehistory  
  **Credits:** 3
- ANTH 461 - Indians of North America  
  **Credits:** 3
- ANTH 465 - Cultures of Latin America  
  **Credits:** 3
- ANTH 473 - Contemporary Cherokee Culture and Society  
  **Credits:** 3
- GEOG 440 - Regional Geography  
  **Credits:** 3, R12
- HIST 212 - Latin American History I  
  **Credits:** 3
- HIST 213 - Latin American History II  
  **Credits:** 3
- HIST 345 - Modern Native America  
  **Credits:** 3
• HIST 445 - Cherokee History Credits: 3
• NAS 470 - Cherokee Culture and History Credits: 3
• PAR 367 - Native American Religions Credits: 3
• PSC 379 - Latin American Politics Credits: 3
• SPAN 321 - Hispanic Cultures I Credits: 3
• SPAN 322 - Hispanic Cultures II Credits: 3
• SPAN 432 - North American and Caribbean Literature Credits: 3, R6
• SPAN 434 - South American Hispanic Literature Credits: 3

Guided Elective (3 hours)

Students must take three hours outside of their concentration:

• ANTH 327 - Economy and Society Credits: 3
• ANTH 361 - World Prehistory Credits: 3
• ANTH 362 - Southeastern Archaeology Credits: 3
• ANTH 431 - North American Prehistory Credits: 3
• ANTH 461 - Indians of North America Credits: 3
• ANTH 465 - Cultures of Latin America Credits: 3
• ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3
• CJ 354 - Comparative Criminal Justice Systems Credits: 3
• CJ 475 - International Studies in Law and Society Credits: 3, R6
• COMM 431 - International Reporting Credits: 3
• ECON 406 - International Trade Credits: 3
• ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
• ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
• ENGL 496 - Seminar in World Literature Credits: 3
• GEOG 350 - Economic Geography Credits: 3
• GEOG 440 - Regional Geography Credits: 3, R12
• GEOG 444 - Political Geography Credits: 3
• HIST 210 - African History to 1880 Credits: 3
• HIST 211 - African History Since 1880 Credits: 3
• HIST 212 - Latin American History I Credits: 3
• HIST 213 - Latin American History II Credits: 3
• HIST 236 - Native American Lives Credits: 3
• HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic Credits: 3
• HIST 302 - India in the Modern World Credits: 3
• HIST 303 - The African Diaspora Credits: 3
• HIST 317 - History of Twentieth-Century International Relations Credits: 3
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<th>Course Code</th>
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Additional Requirements:

International Studies is a designated as a coordinate major, so all INST majors must also declare a second major.

INST majors must also finish an approved Engaged Learning Experience (ELE) to complete the requirements for the degree. Students must work with their program advisors to develop an ELE contract no later than the end of drop/add period in the semester prior to their graduating semester, and that contract must be completed no later than the last day of classes of the semester prior to their graduating semester. This contract will detail the specific activities and outcomes of the ELE.

For INST majors, Engaged Learning Experiences may be associated with a travel course/study abroad, independent study, internship, or a designated Engaged Learning course.

Mathematics and Computer Science

Office Information:

426 Stillwell Building
(828) 227-7245

Website: https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathcsdept/

Dr. Jeff Lawson, Department Head

(search by department)

Computer Science, BS
Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

Major Requirements: 73 hours as follows

**Pre-Computer Science Major Requirements (16 hours)**

A grade of C or higher is required for CS 150 and CS 151 as part of completing the prerequisites for the major.

- CS 150 - Problem Solving and Programming I **Credits:** 4
- CS 151 - Problem Solving and Programming II **Credits:** 4
- MATH 153 - Calculus I **Credits:** 4
- MATH 255 - Calculus II **Credits:** 4

**Additional Required Computer Science and Mathematics Courses (39 hours)**

In addition to the prerequisite courses, the following courses are required: A grade of C (2.0) or higher is required for CS 351 and CS 253 to satisfy the requirements for the major.

- CS 253 - Software Development **Credits:** 3
- CS 263 - Software Engineering **Credits:** 3
- CS 350 - Computer Organization **Credits:** 3
- CS 351 - Data Structures and Algorithms **Credits:** 4
- CS 352 - Organization of Programming Languages **Credits:** 3
- CS 353 - Social and Ethical Issues of Computing **Credits:** 1
- CS 370 - Operating Systems **Credits:** 3
- CS 453 - Database Systems **Credits:** 3
- CS 465 - Computer Networking **Credits:** 3
- CS 495 - Capstone I **Credits:** 2
- CS 496 - Capstone II **Credits:** 2
- MATH 250 - Introduction to Logic and Proof **Credits:** 3
- MATH 310 - Discrete Structures **Credits:** 3
- MATH 270 - Statistical Methods I **Credits:** 3
  
  or
- MATH 370 - Probability and Statistics I **Credits:** 3

**Required Natural Science Courses: (12 hours)**
Complete 12 hours selected from the following courses, or complete eight hours from the following courses and MATH 256 Calculus III Credits: (4)

- BIOL 140 - Principles of Biology I Credits: 4
- BIOL 141 - Principles of Biology II Credits: 4
- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
- GEOL 150 - Methods in Geology Credits: 4
- GEOL 155 - Historical Geology Credits: 4
- PHYS 130 - Introductory Physics I Credits: 4
  or
- PHYS 230 - General Physics I Credits: 4
- PHYS 131 - Introductory Physics II Credits: 4
  or
- PHYS 231 - General Physics II Credits: 4

Major Electives (6 hours)

Six additional hours of courses selected from Computer Science courses numbered above 250 (excluding CS 301 and CS 337, and any required courses) or from the courses listed below.

- ECET 332 - Microcontrollers Credits: 4
- ECET 431 - Microcontroller Interfacing Credits: 4
- MATH 441 - Introduction to Numerical Analysis Credits: 3
- MATH 450 - Linear Optimization Credits: 3

Three hours of the Computer Science elective courses must be at the 400 level.

Additional Requirements

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. At least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathcsdept/index.aspx to view the eight-semester curriculum guide.

Mathematics, BS

Total number of hours for the program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements
Major Requirements

The major requires 38–74 hours, including a Core and a Concentration, explained below.

Note: Only grades of C (2.0) or higher in required mathematics core courses will satisfy requirements in the major.

The following courses are required:

Core, 24 hours:

- MATH 153 - Calculus I Credits: 4
- MATH 250 - Introduction to Logic and Proof Credits: 3
- MATH 255 - Calculus II Credits: 4
- MATH 256 - Calculus III Credits: 4
- MATH 270 - Statistical Methods I Credits: 3
- MATH 310 - Discrete Structures Credits: 3
- MATH 362 - Linear Algebra I Credits: 3

Additional Required Course, 2 hours

- MATH 479 - Capstone: Seminar Credits: 2

Math Electives Categories

Algebra/Discrete:

- MATH 361 - Abstract Algebra I Credits: 3
- MATH 461 - Abstract Algebra II Credits: 3
- MATH 462 - Linear Algebra II Credits: 3

Analysis:

- MATH 422 - Real Analysis I Credits: 3
- MATH 423 - Real Analysis II Credits: 3
- MATH 424 - Complex Variable Theory Credits: 3

Computing/Modeling:

- MATH 320 - Ordinary Differential Equations Credits: 3
- MATH 430 - Mathematical Modeling Credits: 3
- MATH 441 - Introduction to Numerical Analysis Credits: 3
• MATH 450 - Linear Optimization Credits: 3

Statistics:

• MATH 370 - Probability and Statistics I Credits: 3
• MATH 373 - Theory of Interest for Actuarial Exam FM Credits: 3
• MATH 375 - Statistical Methods II Credits: 3
• MATH 470 - Probability and Statistics II Credits: 3
• MATH 471 - Problem Solving for Actuarial Exam P Credits: 3

Actuarial Science Concentration:

The actuarial science concentration includes courses that prepare students for professional examinations Exam P and Exam FM jointly administered by the Society of Actuaries (SOA) and the Casualty Actuarial Society (CAS). The concentration also includes coursework that meets learning objectives for Validation by Educational Experience (VEE) in Mathematical Statistics, Accounting and Finance, and Economics.

Required 12 hours:

• MATH 340 - Introduction to Scientific Computing Credits: 3
• MATH 370 - Probability and Statistics I Credits: 3
• MATH 373 - Theory of Interest for Actuarial Exam FM Credits: 3
• MATH 471 - Problem Solving for Actuarial Exam P Credits: 3

Actuarial Science Electives (18 hours) selected from:

• ACCT 251 - Financial Accounting - A User Perspective Credits: 3
• ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
• ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
• ECON 304 - Econometrics Credits: 3
• FIN 305 - Financial Management Credits: 3
• FIN 335 - Financial Institutions Credits: 3
• FIN 406 - Investment Strategies Credits: 3
• MATH 375 - Statistical Methods II Credits: 3
• MATH 470 - Probability and Statistics II Credits: 3

Applied Concentration:

Required 12 hours:
Two additional courses from the math electives with at least one of these courses in the Computing/Modeling category and:

- MATH 320 - Ordinary Differential Equations Credits: 3
- MATH 340 - Introduction to Scientific Computing Credits: 3

To complete the program:

A second major or a minor in one of the following areas of application: biology, chemistry, computer science, economics, finance, geology, physics, or a program approved by the mathematics and computer science department head.

Data Science Concentration:

The course requirements for the data science concentration were selected in consultation with the Curriculum Guidelines for Undergraduate Programs in Data Science endorsed by the American Statistical Association.

The program uses the existing core classes from other mathematics concentrations and supplements with 27 required hours in computer science and mathematics/statistics with 3 hours of electives from computer science and/or mathematics/statistics.

Required 27 hours:

To complete the concentration requirements, 27 hours must be taken from the required courses below and/or from courses approved by the Department Head of Mathematics and Computer Science.

- CS 150 - Problem Solving and Programming I Credits: 4
- CS 151 - Problem Solving and Programming II Credits: 4
- CS 253 - Software Development Credits: 3
- CS 351 - Data Structures and Algorithms Credits: 4
- CS 453 - Database Systems Credits: 3
- MATH 370 - Probability and Statistics I Credits: 3
- MATH 375 - Statistical Methods II Credits: 3
- MATH 475 - Statistical Machine Learning Credits: 3

Data Science Electives (3 hours) selected from:

To complete the concentration requirements, at least 3 hours must be selected from the electives below and/or from courses approved by the Department Head of Mathematics and Computer Science.

- CS 325 - Information Security I Credits: 3
Mathematics Education Concentration:

Admissions to the Mathematics Education Program

Students seeking admission to the Mathematics Education Program must declare their major and meet the requirements for admission to the Teacher Education Program. Additional information is available at http://teachereducation.wcu.edu.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Mathematics Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Additional information on these requirements is available at http://teachereducation.wcu.edu. In addition to these requirements, a student enrolled in the BS in Mathematics with the Mathematics Education Concentration must also be enrolled in the BSEd Mathematics. If hours taken in the major also meet Liberal Studies requirements, students may need to complete more elective hours to complete the full 120 total hours needed.

Required 15 hours:

- MATH 200 - Introduction to Mathematical Problem Solving Credits: 1
- MATH 300 - Problem Solving Credits: 2
- MATH 340 - Introduction to Scientific Computing Credits: 3
- MATH 361 - Abstract Algebra I Credits: 3
- MATH 400 - History of Mathematics Credits: 3
- MATH 411 - Foundations in Geometry Credits: 3

Math Electives (3 hours) selected from:

- MATH 320 - Ordinary Differential Equations Credits: 3
- MATH 370 - Probability and Statistics I Credits: 3
- MATH 412 - Modern Geometries Credits: 3
- MATH 422 - Real Analysis I Credits: 3
- MATH 423 - Real Analysis II Credits: 3
- MATH 424 - Complex Variable Theory Credits: 3
- MATH 441 - Introduction to Numerical Analysis Credits: 3
- MATH 450 - Linear Optimization Credits: 3
- MATH 461 - Abstract Algebra II Credits: 3
- MATH 462 - Linear Algebra II Credits: 3
- MATH 470 - Probability and Statistics II Credits: 3

Professional Education Sequence (30 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
- PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
- MATH 414 - Introduction to Secondary Mathematics Teaching Methods Credits: 3
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits: 3
- EDSE 484 - Supervised Internship I Credits: 1-3
  *Mathematics and Computer Science majors are required to take EDSE 484 as a 3 credit hour course.*
- EDSE 485 - Internship II Credits: 6
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits: 3
- EDSE 495 - Seminar Credits: 3

Traditional Mathematics Concentration:

Required 18 hours:

Twelve additional hours: one course from each of the three non-Algebra/Discrete math electives categories, and one additional course from any of the four math elective categories, MATH 400 History of Mathematics, or other math courses approved by the mathematics and computer science department head and:

- MATH 361 - Abstract Algebra I Credits: 3
- MATH 340 - Introduction to Scientific Computing Credits: 3

To complete the program:

A second major, a minor, or a program approved by the mathematics and computer science department head.

Additional Information for all Concentrations:
Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. At least 30 hours taken at WCU must be at the junior-senior level to meet the general university degree requirements. Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathcsdept/ to view the eight-semester curriculum guide.

**Philosophy and Religion**

*Office Information:*

226 Stillwell Building  
(828) 227-7262


*Dr. Christopher Hoyt, Department Head*  
https://www.wcu.edu/discover/contact-wcu/staff-directory.aspx (search by department)

**Philosophy (Concentration in Philosophy), BA**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major in Philosophy requires a concentration in Philosophy or Religion.

**Concentration in Philosophy**

Thirty-six (36) hours as follows:

World Languages 231-232 or 240: (six hours)

**Foundations of the Study of Philosophy (15 hours)**

- PAR 101 - Western Philosophical Traditions **Credits: 3**  
  or
- PAR 102 - Western Moral Traditions **Credits: 3**  
  and the following
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits: 3**
• PAR 295 - Self, Society, & the Good Life Credits: 3
• PAR 304 - Ancient Greek Thought Credits: 3
• PAR 306 - Early Modern Philosophy from Copernicus to Kant Credits: 3

Major Electives in Philosophy (6 hours)

• PAR 201 - Philosophy of Sex and Love Credits: 3
• PAR 307 - From Existentialism to Feminism Credits: 3
• PAR 309 - Philosophy In and Of Film Credits: 3
• PAR 310 - Philosophy of Art Credits: 3
• PAR 312 - Philosophy of Religion Credits: 3
• PAR 313 - Philosophy of Law Credits: 3
• PAR 315 - Philosophy of Mind Credits: 3
• PAR 320 - Philosophical and Religious Classics Credits: 3, R6
• PAR 330 - America's Wilderness Ethics and Aesthetics Credits: 3
• PAR 332 - Biomedical Ethics and Social Justice Credits: 3
• PAR 333 - Environmental Ethics Credits: 3
• PAR 354 - Religion, Suffering, and the Moral Imagination Credits: 3
• PAR 356 - Buddhism Credits: 3
• PAR 357 - Hinduism Credits: 3
• PAR 365 - Faith and Reason from Empire to Enlightenment Credits: 3
• PAR 366 - Religion and Science Credits: 3
• PAR 380 - Independent Study Credits: 1-3, R6
• PAR 404 - Ancient Cynics, Stoics, and Skeptics Credits: 3

Special Topics and Capstone Seminars (9 hours)

• PAR 495 - Seminar in Philosophy and Religion Credits: 3, R9
  prerequisite: six hours in philosophy, excluding 101 and 201, or permission of
  the instructor
  Six hours of seminars, including one or both of the following:
  • PAR 392 - Global Justice, Liberty, and Human Rights Credits: 3
  • PAR 393 - Topics in Philosophy and Religion Credits: 1-3, R6

Additional Requirements

To complete the Bachelor of Arts program in the College of Arts & Sciences, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12-14 general (free) electives depending on the number of hours taken in the major that also fulfill the Liberal Studies requirements. At least 30 hours of courses at WCU must be taken at the junior-senior level to meet one of the University's degree requirements.
Note: Students who pursue a concentration in Philosophy can also choose a minor in Religion and students who pursue a concentration in Religion can also choose a minor in Philosophy. These students cannot, however, use a single course to count towards both the concentration and the minor.

**Philosophy (Concentration in Religion), BA**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major in Philosophy with a concentration in Religion requires:

**Concentration in Religion**

36 hours as follows:

World Languages 231-232 or 240: (six hours)

**Foundations of the Study of Religion (12 hours)**

- PAR 145 - Eastern Religious Traditions **Credits:** 3
- PAR 146 - Western Religious Traditions **Credits:** 3
- PAR 295 - Self, Society, & the Good Life **Credits:** 3
- PAR 342 - Theory and Method in the Study of Religion **Credits:** 3

**Major Electives in Religion (9 hours)**

- ANTH 365 - Religion, Magic, Myth **Credits:** 3
- ENGL 390 - The Bible as Literature **Credits:** 3
- HIST 421 - Romans, Christians, Barbarians **Credits:** 3
- HIST 455 - American Religious History **Credits:** 3
- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits:** 3
- PAR 250 - Origins of Early Christian Traditions **Credits:** 3
- PAR 251 - Understanding Islamic Traditions **Credits:** 3
- PAR 260 - Women and Religion **Credits:** 3
- PAR 307 - From Existentialism to Feminism **Credits:** 3
- PAR 312 - Philosophy of Religion **Credits:** 3
• PAR 320 - Philosophical and Religious Classics **Credits:** 3, R6
• PAR 323 - Mysticism **Credits:** 3
• PAR 330 - America's Wilderness Ethics and Aesthetics **Credits:** 3
• PAR 353 - Religion in Film **Credits:** 3
• PAR 354 - Religion, Suffering, and the Moral Imagination **Credits:** 3
• PAR 356 - Buddhism **Credits:** 3
• PAR 357 - Hinduism **Credits:** 3
• PAR 365 - Faith and Reason from Empire to Enlightenment **Credits:** 3
• PAR 366 - Religion and Science **Credits:** 3
• PAR 367 - Native American Religions **Credits:** 3
• PAR 380 - Independent Study **Credits:** 1-3, R6

**Special Topics and Capstone Seminars (9 hours)**

• PAR 495 - Seminar in Philosophy and Religion **Credits:** 3, R9
  *Six hours of seminars, including one or both of the following:*
  • PAR 392 - Global Justice, Liberty, and Human Rights **Credits:** 3
  *and/or*
  • PAR 393 - Topics in Philosophy and Religion **Credits:** 1-3, R6

**Additional Requirements**

To complete the Bachelor of Arts program in the College of Arts & Sciences, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12-14 general (free) electives depending on the number of hours taken in the major that also fulfill the Liberal Studies requirements. At least 30 hours of courses at WCU must be taken at the junior-senior level to meet one of the University's degree requirements.

Note: Students who pursue a concentration in Philosophy can also choose a minor in Religion and students who pursue a concentration in Religion can also choose a minor in Philosophy. These students cannot, however, use a single course to count towards both the concentration and the minor.

**Political Science and Public Affairs**

*Office Information:*

358 Stillwell Building  
(828) 227-7475

*Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/poliscipublicaffairs/index.aspx*
Political Science, BA

Total number of hours for the program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 36 hours as follows:

Core Courses: (15 hours)

Students must earn a "C" or better in each core course

- PSC 101 - American Government and Politics Credits: 3
- PSC 230 - Political Analysis I Credits: 3
- PSC 240 - Political Theory Credits: 3
- PSC 499 - Senior Capstone Credits: 1

*In addition, students should choose one of the following options:

- PSC 169 - Global Issues Credits: 3
  or
- INST 200 - Introduction to International Studies Credits: 3
  plus three additional hours chosen from any PSC elective (six hours total)

American Politics (3 hours)

Students should choose one of the following:

- PSC 301 - Congress Credits: 3
- PSC 308 - American Presidency Credits: 3
- PSC 312 - Judicial Process Credits: 3
- PSC 313 - Constitutional Law: Structure and Powers Credits: 3
- PSC 314 - Southern Politics Credits: 3
- PSC 315 - Political Parties, Campaigns and Elections Credits: 3
- PSC 316 - Gender and Politics Credits: 3
• PSC 318 - Political Communication Credits: 3
• PSC 322 - Public Administration Credits: 3
• PSC 323 - The Nonprofit Sector Credits: 3
• PSC 324 - Political and Organizational Leadership Credits: 3
• PSC 325 - Public Policy Credits: 3
• PSC 326 - Natural Resources Policy and Administration Credits: 3
• PSC 327 - State and Local Government Credits: 3
• PSC 328 - U.S. Social Policy Credits: 3
• PSC 494 - Special Topics in American Politics Credits: 3, R6

Comparative Politics/International Relations (3 hours)

Students should choose one of the following:

• PSC 352 - International Security Credits: 3
• PSC 353 - International Political Economy Credits: 3
• PSC 354 - International Environmental Politics Credits: 3
• PSC 357 - Political Violence Credits: 3
• PSC 358 - United States Foreign Policy Credits: 3
• PSC 359 - International Law Credits: 3
• PSC 361 - On War Credits: 3
• PSC 370 - Politics of Ethnic Conflict Credits: 3
• PSC 375 - European Politics Credits: 3
• PSC 376 - African Politics Credits: 3
• PSC 377 - Middle East Politics Credits: 3
• PSC 378 - Asian Politics Credits: 3
• PSC 379 - Latin American Politics Credits: 3
• PSC 380 - Politics of Developing Areas Credits: 3
• PSC 451 - Model United Nations Credits: 3, R6
• PSC 452 - Model United Nations II Credits: 3
• PSC 493 - Special Topics in World Politics Credits: 3, R6

Electives (6 hours)

Any PSC course at the 200 level or above

Engaged Experience (3 hours)

• PSC 451 - Model United Nations Credits: 3, R6
• PSC 452 - Model United Nations II Credits: 3
• PSC 455 - Civic Engagement Credits: 3
• PSC 483 - Internship in Political Science Credits: 3
- **PSC 484 - Internship in Political Science** Credits: 3
- **PSC 485 - Internship in Political Science** Credits: 3

  *Study abroad also counts for this requirement. See your advisor for details.*

**Foreign Language Requirement (6 hours)**

- **MFL 231 and 232, or 240** Credits: 6

**Additional Requirements**

Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted. No more than six hours can be applied to cooperative education or internship.

In addition to the requirements for the major and Liberal Studies, 42 additional hours are required, including a minor, second major, or other approved program. At least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university requirements.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/poliscipublicaffairs/psc/index.aspx to view the eight-semester curriculum guide.

**Political Science, BS**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 36 hours as follows:

**Core Courses: 15 hours**

*(must earn "C" or better in each core course)*

- **PSC 101 - American Government and Politics** Credits: 3
- **PSC 230 - Political Analysis I** Credits: 3
- **PSC 240 - Political Theory** Credits: 3
- **PSC 499 - Senior Capstone** Credits: 1

*and*
- PSC 169 - Global Issues Credits: 3
  or
- INST 200 - Introduction to International Studies Credits: 3
  When taking INST 200 instead of PSC 169, students should take three additional hours of any PSC elective.

American Politics (3 hours)

Select one course from the following list:

- PSC 301 - Congress Credits: 3
- PSC 308 - American Presidency Credits: 3
- PSC 312 - Judicial Process Credits: 3
- PSC 313 - Constitutional Law: Structure and Powers Credits: 3
- PSC 314 - Southern Politics Credits: 3
- PSC 315 - Political Parties, Campaigns and Elections Credits: 3
- PSC 316 - Gender and Politics Credits: 3
- PSC 318 - Political Communication Credits: 3
- PSC 322 - Public Administration Credits: 3
- PSC 323 - The Nonprofit Sector Credits: 3
- PSC 324 - Political and Organizational Leadership Credits: 3
- PSC 325 - Public Policy Credits: 3
- PSC 326 - Natural Resources Policy and Administration Credits: 3
- PSC 327 - State and Local Government Credits: 3
- PSC 328 - U.S. Social Policy Credits: 3
- PSC 494 - Special Topics in American Politics Credits: 3, R6

Comparative Politics/International Relations (3 hours)

Select one course from the following list:

- PSC 352 - International Security Credits: 3
- PSC 353 - International Political Economy Credits: 3
- PSC 354 - International Environmental Politics Credits: 3
- PSC 357 - Political Violence Credits: 3
- PSC 358 - United States Foreign Policy Credits: 3
- PSC 359 - International Law Credits: 3
- PSC 361 - On War Credits: 3
- PSC 370 - Politics of Ethnic Conflict Credits: 3
- PSC 375 - European Politics Credits: 3
- PSC 376 - African Politics Credits: 3
- PSC 377 - Middle East Politics Credits: 3
- PSC 378 - Asian Politics Credits: 3
- PSC 379 - Latin American Politics Credits: 3
- PSC 380 - Politics of Developing Areas Credits: 3
- PSC 451 - Model United Nations Credits: 3, R6
- PSC 452 - Model United Nations II Credits: 3
- PSC 493 - Special Topics in World Politics Credits: 3, R6

Research Requirement (3 hours)

- PSC 231 - Political Analysis II Credits: 3

Electives (9 hours)

Anything with a PSC prefix counts for this requirement.

Engaged Experience (3 hours)

Select one course from the following list:

- PSC 451 - Model United Nations Credits: 3, R6
- PSC 452 - Model United Nations II Credits: 3
- PSC 455 - Civic Engagement Credits: 3
- PSC 483 - Internship in Political Science Credits: 3
- PSC 484 - Internship in Political Science Credits: 3
- PSC 485 - Internship in Political Science Credits: 3

Study abroad also counts for this category. Talk to your advisor for details.

Additional Requirements

Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted. No more than six hours can be applied to cooperative education or internship.

In addition to the requirements for the major and Liberal Studies, 42 additional hours are required, including a minor, second major, or other approved program. To meet one of the general university requirements, at least 30 hours taken at WCU must be at the junior-senior level.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/poliscipublicaffairs/psc/index.aspx to view the eight-semester curriculum guide.

World Languages
Native Speaker Policy

Native speakers are encouraged to enroll in any of the following courses: FREN/GER/SPAN 321, 322, 330, 331, 332, 333, 351, 393, 451, 481, and all 400-level literature courses. Other courses are normally not open to native speakers except where required in degree programs. The department head may make exceptions on an individual basis.

Spanish, BA

Total number of hours for program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 33 hours as follows:

Intermediate coursework: 6 hrs

- SPAN 231 - Intermediate Spanish I Credits: 3
- SPAN 232 - Intermediate Spanish II Credits: 3
  Or
  - SPAN 240 - Accelerated Intermediate Spanish Credits: 6

Required upper-level courses or "Core" courses: 15 hours

- SPAN 301 - Spanish Conversation and Composition I Credits: 3
- SPAN 302 - Spanish Conversation and Composition II Credits: 3
- SPAN 321 - Hispanic Cultures I Credits: 3
- SPAN 322 - Hispanic Cultures II Credits: 3
- SPAN 452 - Advanced Oral Communication Credits: 3
Elective upper-level courses: (12 hours)

Students should choose 12 credit hours from the following:

- **SPAN 310** - Introduction to Hispanic Literature **Credits:** 3
- **SPAN 394** - Immersion Experience **Credits:** 3-6, R12
- **SPAN 401** - Contrastive Features of Spanish and English **Credits:** 3
- **SPAN 431** - Studies in Spanish Peninsular Literature **Credits:** 3, R6
- **SPAN 432** - North American and Caribbean Literature **Credits:** 3, R6
- **SPAN 434** - South American Hispanic Literature **Credits:** 3
- **SPAN 461** - Spanish Phonology and Phonetics **Credits:** 3
- **SPAN 462** - Spanish Syntax and Morphology **Credits:** 3
- **SPAN 471** - The Art of Translation **Credits:** 3
- **SPAN 481** - Independent Studies in Spanish **Credits:** 1-3, R6
- **SPAN 493** - Special Topics in Spanish **Credits:** 3, R9

**Program Requirements**

Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any course in the major will be accepted. Graduating seniors must take a proficiency test (the AAPPL, or American Council on the Teaching of Foreign Languages Assessment of Performance toward Proficiency in Languages). The World Languages Department will make test arrangements for students. This requirement will appear on the degree audit. Students are encouraged to participate in a study abroad program or similar immersion experience in Spanish.

**Additional Requirements**

In addition to the coursework listed here, students are required to complete a second major, minor, or other approved program. To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

**Anthropology, Minor**

**Minor Requirements**

The minor requires 21 hours, including:

- **ANTH 110** - Origins of Civilization **Credits:** 3
- **ANTH 120** - Comparative Cultural Systems **Credits:** 3

**Additional Requirements**
15 hours of sophomore-junior-senior level (200-number or greater) anthropology courses. Students may use up to three hours of Native American Studies (NAS) courses as program electives.

**Cherokee Studies (Interdisciplinary), Minor**

Total number of hours for the program: 18.

**Minor Requirements**

The minor requires 18 hours, including:

- ANTH 473 - Contemporary Cherokee Culture and Society **Credits: 3**
- CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World **Credits: 3**
  
  *choose one from the following two courses:*
- HIST 445 - Cherokee History **Credits: 3**
- NAS 470 - Cherokee Culture and History **Credits: 3**

**Electives**

Nine hours of electives selected from the following:

- ANTH 362 - Southeastern Archaeology **Credits: 3**
- ANTH 379 - Cherokee Arts and Crafts **Credits: 3**
- ANTH 421 - Cherokee Archaeology **Credits: 3**
- ANTH 461 - Indians of North America **Credits: 3**
- ART 379 - Cherokee Arts and Crafts **Credits: 3**
- CHER 132 - Elementary Cherokee II **Credits: 3**
- CHER 231 - Intermediate Cherokee I **Credits: 3**
- CHER 232 - Intermediate Cherokee II **Credits: 3**
- HIST 236 - Native American Lives **Credits: 3**
- USI 394 - Topics in Cherokee Studies **Credits: 3, R9**
- *Any Native American Studies (NAS) class** **Credits: 3***

**Chemistry, Minor**

Total number of hours for the program: 21.

**Minor Requirements**

The minor requires 21 hours. CHEM 101 and 132 are not valid courses for the minor. At least five hours must be at the junior-senior level.
Communication, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours:

- COMM 240 - Writing for Communication Credits: 3
- COMM 350 - Communication Theory and Criticism Credits: 3
- AND 12 additional hours of COMM courses excluding COMM 190, COMM 201, COMM 296, and COMM 496.

Computer Science, Minor

Total number of hours for the program: 17.

Minor Requirements

The minor requires 17 hours, including the following:

- CS 150 - Problem Solving and Programming I Credits: 4
- CS 151 - Problem Solving and Programming II Credits: 4
- CS 253 - Software Development Credits: 3

Additional Requirements

Six hours of other courses selected from Computer Science courses numbered 250 or above (excluding CS 353) or from the courses listed below.

- MATH 441 - Introduction to Numerical Analysis Credits: 3

Creative Writing, Minor

Total number of hours for the program: 18.

The Creative Writing minor requires 18 hours, including a three hour core course, nine hours of writing electives, and six hours of English electives.

NOTE: The Minor in Creative Writing is not open to students pursuing the BA in English with a Professional Writing concentration. Additionally, students pursuing a BA in English (Literature, Professional Writing, English Studies Pedagogy, and Motion Picture Studies) who also elect to enroll in the Professional Writing, Film Studies, Literature, or
Creative Writing minor may not use an ENGL course for both the major and the minor; double-counting a course between those majors and this minor is not allowed.

Core (3 hours)

- ENGL 302 - Introduction to Creative Writing and Editing Credits: 3

Creative Writing Electives (9 hours)

- ENGL 306 - Nonfiction Writing Credits: 3
- ENGL 308 - Fiction Writing Credits: 3, R6
- ENGL 309 - Poetry Writing Credits: 3, R6
- ENGL 405 - Advanced Creative Writing Credits: 3
- ENGL 412 - Grammar for Writers Credits: 3
- ENGL 493 - Topics in Creative Writing Credits: 1-3, R6
- FTP 310 - Introduction to Screenwriting Credits: 3

English Electives (6 hours)

Six hours from any of 300-400 level ENGL class.

Criminal Justice, Minor

Total number of hours for the program: 21.

Core Requirement (6 hours)

- CJ 150 - Introduction to Criminal Justice & Criminology Credits: 3
- CJ 355 - Theories of Crime Credits: 3

Minor Electives (15 hours) include the following:

One course from each of the 3 major areas (nine hours)

One course from each of the 3 major areas (nine hours)

- The Justice System
- Diversity & Ethics in Criminal Justice
- Criminological Issues

Emergency and Disaster Management, Minor
Total number of hours for the program: 18.

Core Requirement (6 hours)

- EDM 250 - Introduction to Emergency and Disaster Management Credits: 3
- EDM 324 - Emergency Planning Credits: 3

Minor Electives (12 hours) chosen from the following:

- COMM 400 - Crisis Communications Credits: 3
- EDM 322 - Social Dimensions of a Disaster Credits: 3
- EDM 326 - Risk Assessment and Vulnerability Analysis Credits: 3
- EDM 332 - Disaster Response Operations and Management Credits: 3
- EDM 335 - Principles of Hazard Mitigation Credits: 3
- EDM 340 - Political and Policy Basis of Emergency and Disaster Management Credits: 3
- EDM 351 - Resource Management Credits: 3
- EDM 360 - Asset Protection & Critical Infrastructure Credits: 3
- EDM 405 - GIS and Emergency Mapping Credits: 3
- EDM 406 - Incident Command Systems Credits: 3
- EDM 435 - Homeland Security Credits: 3
- EDM 448 - Emergency Exercise Design and Evaluation Credits: 3
- EDM 452 - Legal Issues in Emergency and Disaster Management Credits: 3
- EDM 457 - Terrorism Credits: 3
- EDM 460 - Case Studies in Emergency and Disaster Management Credits: 3
- EDM 480 - Independent Study in Emergency and Disaster Management Credits: 1-3, R6
- EDM 493 - Topics in Emergency and Disaster Management Credits: 1-3, R12
- EMC 445 - EMC Systems Management Credits: 3
- ENVH 380 - Biosafety and Bioterrorism Credits: 3

English, Minor

Total number of hours for the program: 18.

The Minor in English requires eighteen-semester hours of English hours.

NOTE: The Minor in English is not open to students pursuing a degree in English in any concentration.

18 Semester hours selected from the following English courses:
The minor requires 18 hours of English courses, exclusive of those courses approved for 100-200 level liberal studies credit.

- **ENGL 240** - Research, Literary Criticism & British Literature **Credits:** 3
- **ENGL 241** - Formalism & American Literature **Credits:** 3
- **ENGL 242** - Cultural Studies & Non-Western World Literature **Credits:** 3
- **ENGL 278** - Introduction to Film Studies **Credits:** 3
- **ENGL 290** - Literature and the Sacred **Credits:** 3
- **ENGL 302** - Introduction to Creative Writing and Editing **Credits:** 3
- **ENGL 303** - Introduction to Professional Writing and Editing **Credits:** 3
- **ENGL 304** - Writing for Electronic Environments **Credits:** 3
- **ENGL 306** - Nonfiction Writing **Credits:** 3
- **ENGL 307** - Professional Editing and Publishing **Credits:** 3
- **ENGL 308** - Fiction Writing **Credits:** 3, R6
- **ENGL 309** - Poetry Writing **Credits:** 3, R6
- **ENGL 312** - Grammar for Teachers **Credits:** 3
- **ENGL 313** - Authoring Multimedia **Credits:** 3, R6
- **ENGL 319** - Grammar, Language, and Discourse **Credits:** 3
- **ENGL 333** - Introduction to Shakespeare **Credits:** 3
- **ENGL 350** - The Renaissance **Credits:** 3
- **ENGL 351** - The Beats, Radicals, and Avant-Garde Literature **Credits:** 3
- **ENGL 352** - The Journey in Literature **Credits:** 3
- **ENGL 353** - Stories Retold **Credits:** 3
- **ENGL 366** - Literature and Immigration **Credits:** 3
- **ENGL 367** - Appalachian Literature **Credits:** 3
- **ENGL 368** - Film Genres **Credits:** 3, R6
- **ENGL 378** - Motion Picture Histories **Credits:** 3
- **ENGL 389** - Cooperative Education: Professional Writing **Credits:** 1 or 3, R15
- **ENGL 390** - The Bible as Literature **Credits:** 3
- **ENGL 394** - Film Adaptation **Credits:** 3, R6
- **ENGL 401** - Writing for Careers **Credits:** 3
- **ENGL 402** - Technical Writing **Credits:** 3
- **ENGL 405** - Advanced Creative Writing **Credits:** 3
- **ENGL 411** - History of the English Language **Credits:** 3
- **ENGL 412** - Grammar for Writers **Credits:** 3
- **ENGL 413** - ESL Methods for Content Teachers **Credits:** 3
- **ENGL 414** - Fundamentals of Teaching Composition **Credits:** 3
- **ENGL 415** - Introduction to Linguistics **Credits:** 3
- **ENGL 416** - Teaching English as a Second Language **Credits:** 3
- **ENGL 419** - Medieval Literature **Credits:** 3
- **ENGL 420** - Chaucer and His Age **Credits:** 3
• ENGL 421 - Fairy Tale Literature Credits: 3
• ENGL 430 - English Literature of the Renaissance Credits: 3
• ENGL 431 - Shakespeare and His Age Credits: 3
• ENGL 440 - Milton and His Age Credits: 3
• ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
• ENGL 450 - Major Writers Credits: 3, R6
• ENGL 451 - Nineteenth-Century British Writers Credits: 3
• ENGL 459 - Southern Literature Credits: 3
• ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
• ENGL 463 - Contemporary Literature Credits: 3
• ENGL 464 - Native American Literature Credits: 3
• ENGL 465 - Topics in African American Literature Credits: 3
• ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
• ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
• ENGL 471 - Studies in Poetry Credits: 3
• ENGL 472 - Studies in Fiction Credits: 3
• ENGL 473 - Studies in Drama Credits: 3
• ENGL 474 - Literary Theory Credits: 3
• ENGL 475 - Modernism Credits: 3
• ENGL 476 - The Short Story Credits: 3
• ENGL 477 - Literature and Gender Credits: 3
• ENGL 478 - Film Theory Credits: 3
• ENGL 479 - Studies in Literature Credits: 3, R6
• ENGL 480 - Studies in English Credits: 1-3, R6
• ENGL 483 - Writing Internship Credits: 3
• ENGL 484 - Writing Internship Credits: 3
• ENGL 485 - Writing Internship Credits: 3
• ENGL 493 - Topics in Creative Writing Credits: 1-3, R6
• ENGL 494 - Special Topics in Advanced American English for Non-Native Speakers Credits: 1, R6
• ENGL 496 - Seminar in World Literature Credits: 3
• ENGL 498 - Senior Seminar in English Credits: 3
• FTP 310 - Introduction to Screenwriting Credits: 3
• FTP 406 - Screenwriting II Credits: 3
• FTP 407 - Screenwriting III Credits: 3, R6

**Film Studies, Minor**

Total number of hours for the program: 18.
The Minor in Film Studies requires 18 semester hours, exclusive of those counting toward the major.

NOTE: The Minor in Film Studies is not open to students pursuing the BA in English with a Motion Picture Studies concentration. Additionally, BA English (Literature, Professional Writing, English Studies Pedagogy, and Motion Picture Studies) students who elect to enroll in the Professional Writing, Film Studies, Literature, or Creative Writing minor may not use an ENGL course for both the major and the minor; counting of a course between those majors and this minor is not allowed.

**Required Courses**

- ENGL 278 - Introduction to Film Studies **Credits:** 3
- ENGL 394 - Film Adaptation **Credits:** 3, R6

**12 semester hours selected from the following:**

- ART 270 - Communication Design **Credits:** 3
  *PREQ: ART 132
- ART 460 - Motion Graphics I **Credits:** 3
  *PREQ: ART 371 and ART 374 (or permission of instructor)
- COMM 255 - Television Production I **Credits:** 3
- ENGL 303 - Introduction to Professional Writing and Editing **Credits:** 3
- ENGL 304 - Writing for Electronic Environments **Credits:** 3
  *PREQ: ENGL 303
- ENGL 313 - Authoring Multimedia **Credits:** 3, R6
  *PREQ: ENGL 303
- ENGL 368 - Film Genres **Credits:** 3, R6
- ENGL 378 - Motion Picture Histories **Credits:** 3
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature **Credits:** 3
- ENGL 478 - Film Theory **Credits:** 3
- LAW 406 - Media Law **Credits:** 3
- FTP 329 - Writing the Short Screenplay **Credits:** 3
  *PREQ: FTP 329
- FTP 340 - Filmmakers on Filmmaking **Credits:** 3
- FTP 345 - Writing the Feature I **Credits:** 3
  *PREQ: FTP 329
- HIST 238 - History of American Pop Culture: Music, Movies, and Media **Credits:** 3
- JPN 306 - Anime, Manga and Japan **Credits:** 3
- JPN 307 - Japanese Language in Cinema **Credits:** 3
• MUS 469 - Music in Motion Pictures **Credits**: 3
• PAR 309 - Philosophy In and Of Film **Credits**: 3
• PAR 353 - Religion in Film **Credits**: 3
• SOC 316 - Media and Popular Culture **Credits**: 3

*Note: A course carrying a repeat credit may be applied only once in the minor.*

**Additional Requirements**

Six hours of junior-senior level anthropology courses. Students may use up to three hours of Native American Studies (NAS) courses as program electives.

**Forensic Anthropology, Minor**

Total number of hours for the program: 21.

**Minor Requirements**

The minor requires 21 hours, including all of the following (15 hours):

- ANTH 110 - Origins of Civilization **Credits**: 3
- ANTH 120 - Comparative Cultural Systems **Credits**: 3
- ANTH 251 - Introduction to Forensic Anthropology **Credits**: 3
- ANTH 300 - Human Osteology **Credits**: 3
- ANTH 400 - Human Osteology Method & Theory **Credits**: 3

**Geography, Minor**

The geography minor consists of 18 hours from courses carrying the GEOG prefix, including human geography, physical geography, and geospatial techniques courses. Geography is a broad and integrative field and makes a valuable complement to almost any major.

**Minor Requirements**

The minor requires 18 hours with the GEOG prefix.

**Electives**

GEOG courses may be drawn from offerings in human geography, physical geography, and geospatial techniques, in any combination.

**Geology, Minor**
Minor Requirements

The minor requires 21 hours, including the following:

- GEOL 150 - Methods in Geology Credits: 4
- GEOL 250 - Introduction to the Rock Forming Minerals Credits: 3

Plus one other freshman-level geology course.

Electives

10-11 hours of geology electives numbered above the freshman level 200-level and above.

German, Minor

Total number of hours for the program: 21.

Minor Requirements (6 hours)

- GER 231 - Intermediate German I Credits: 3
- GER 232 - Intermediate German II Credits: 3
  
or
- GER 240 - Accelerated Second-Year German Credits: 6

Guided Electives from German Courses:

Five courses (15 hours) at the 300-400 level.

History, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours of history courses, including six hours of 200-level courses and 12 hours at the 300/400 level.

International Studies (Interdisciplinary), Minor
The Minor in International Studies provides students with the skills necessary to function in a globally interconnected society.

Minor Requirements

The minor requires the following course (three hours):

- INST 200 - Introduction to International Studies Credits: 3

Additional Requirements

An additional five courses (15 hours) are required from the following list. (Courses counted for a student’s major cannot be double counted for the minor):

- ANTH 327 - Economy and Society Credits: 3
- ANTH 362 - Southeastern Archaeology Credits: 3
- ANTH 431 - North American Prehistory Credits: 3
- ANTH 461 - Indians of North America Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- CJ 354 - Comparative Criminal Justice Systems Credits: 3
- CJ 475 - International Studies in Law and Society Credits: 3, R6
- COMM 431 - International Reporting Credits: 3
- ECON 406 - International Trade Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
- ENGL 366 - Literature and Immigration Credits: 3
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
- ENGL 496 - Seminar in World Literature Credits: 3
- GEOG 350 - Economic Geography Credits: 3
- GEOG 440 - Regional Geography Credits: 3, R12
- GEOG 444 - Political Geography Credits: 3
- HIST 210 - African History to 1880 Credits: 3
- HIST 211 - African History Since 1880 Credits: 3
- HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic Credits: 3
- HIST 302 - India in the Modern World Credits: 3
- HIST 303 - The African Diaspora Credits: 3
- HIST 317 - History of Twentieth-Century International Relations Credits: 3
- HIST 330 - Modern Germany Credits: 3
- HIST 335 - History of Capitalism Credits: 3
- HIST 373 - Modern Asia Credits: 3
- HIST 375 - Middle East Since Mohammed Credits: 3
- HIST 401 - History of Sexualities in Africa Credits: 3
- HIST 411 - Western Imperialism, 1500 to the Present Credits: 3
- HIST 402 - History of Peace and Conflict in Africa Credits: 3
- HIST 416 - Europe in the Twentieth Century Credits: 3
- HIST 425 - Modern European Military History Credits: 3
- HIST 445 - Cherokee History Credits: 3
- HIST 463 - History of the Mexican Nation Credits: 3
- JPN 305 - Introduction to Japanese Literature in Translation Credits: 3
- JPN 306 - Anime, Manga and Japan Credits: 3
- JPN 307 - Japanese Language in Cinema Credits: 3
- MKT 407 - Global Consumer Culture Credits: 3
- NAS 452 - The Roots of Health Disparities in Native American Populations Credits: 3
- NAS 470 - Cherokee Culture and History Credits: 3
- NAS 471 - Indigenous and Western Psychologies Credits: 3
- PAR 251 - Understanding Islamic Traditions Credits: 3
- PAR 260 - Women and Religion Credits: 3
- PAR 354 - Religion, Suffering, and the Moral Imagination Credits: 3
- PAR 356 - Buddhism Credits: 3
- PAR 367 - Native American Religions Credits: 3
- PAR 392 - Global Justice, Liberty, and Human Rights Credits: 3
- PSC 242 - International Organization Credits: 3
- PSC 316 - Gender and Politics Credits: 3
- PSC 376 - African Politics Credits: 3
- SM 350 - Global sport and culture Credits: 3
- SOC 373 - The Global Society Credits: 3
- SOC 434 - Regional and Societal Development Credits: 3
- SPAN 322 - Hispanic Cultures II Credits: 3
- SPAN 432 - North American and Caribbean Literature Credits: 3, R6
- SPAN 434 - South American Hispanic Literature Credits: 3

Additional Information

Contact the Political Science Department for further information at 828-227-7475.

Japanese Studies, Minor

Core Courses (12 hours)

- JPN 101 - Beginning Japanese I Credits: 3
- JPN 102 - Beginning Japanese II Credits: 3
Electives (9 hours)

- JPN 301 - Third Year Japanese I **Credits:** 3
- JPN 302 - Third Year Japanese II **Credits:** 3
- JPN 305 - Introduction to Japanese Literature in Translation **Credits:** 3
- JPN 306 - Anime, Manga and Japan **Credits:** 3
- JPN 307 - Japanese Language in Cinema **Credits:** 3
- JPN 393 - Special Topics in Japanese **Credits:** 3, R12
- JPN 451 - Advanced Japanese Grammar **Credits:** 3
- JPN 452 - Advanced Japanese Conversation **Credits:** 3
- JPN 493 - Special Topics in Japanese **Credits:** 3, R12

**Journalism, Minor**

The total number of hours for this program: 21.

Journalism minor students must have a B or higher in ENGL 101 or the AP equivalent and COMM 240. All other classes required for the minor must be passed with a C or higher to be counted.

**Minor Requirements (21 hours)**

- COMM 240 - Writing for Communication **Credits:** 3
- COMM 330 - News Reporting I **Credits:** 3
- COMM 430 - News Reporting II **Credits:** 3
- CS 130 - Introduction to Computing **Credits:** 3
- LAW 406 - Media Law **Credits:** 3

Choose one elective class from the Journalism, PR or Broadcast concentration.

**Literature, Minor**

Total number of hours for the program: 18.

The Minor in Literature requires 18 semester hours of English Literature/Film courses, exclusive of those counting toward the major.

**Note:** The Minor in Literature is **not** open to students pursuing the BA in English with a Literature Concentration. Additionally, BA English (Literature, Professional Writing, English Studies Pedagogy, or Motion Picture Studies) students who elect to enroll in the
Professional Writing, Film Studies, Literature, or Creative Writing minor may not use an ENGL course for both the major and minor; double counting of a course between those majors and this minor is not allowed.

18 semester hours (six courses) selected from the following English courses:

- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
- ENGL 333 - Introduction to Shakespeare Credits: 3
- ENGL 350 - The Renaissance Credits: 3
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
- ENGL 352 - The Journey in Literature Credits: 3
- ENGL 353 - Stories Retold Credits: 3
- ENGL 366 - Literature and Immigration Credits: 3
- ENGL 367 - Appalachian Literature Credits: 3
- ENGL 378 - Motion Picture Histories Credits: 3
- ENGL 390 - The Bible as Literature Credits: 3
- ENGL 394 - Film Adaptation Credits: 3, R6
- ENGL 411 - History of the English Language Credits: 3
- ENGL 419 - Medieval Literature Credits: 3
- ENGL 420 - Chaucer and His Age Credits: 3
- ENGL 421 - Fairy Tale Literature Credits: 3
- ENGL 430 - English Literature of the Renaissance Credits: 3
- ENGL 431 - Shakespeare and His Age Credits: 3
- ENGL 440 - Milton and His Age Credits: 3
- ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
- ENGL 450 - Major Writers Credits: 3, R6
- ENGL 451 - Nineteenth-Century British Writers Credits: 3
- ENGL 459 - Southern Literature Credits: 3
- ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
- ENGL 463 - Contemporary Literature Credits: 3
- ENGL 464 - Native American Literature Credits: 3
- ENGL 465 - Topics in African American Literature Credits: 3
- ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
- ENGL 471 - Studies in Poetry Credits: 3
- ENGL 472 - Studies in Fiction Credits: 3
- ENGL 473 - Studies in Drama Credits: 3
- ENGL 474 - Literary Theory Credits: 3
- ENGL 475 - Modernism **Credits:** 3
- ENGL 476 - The Short Story **Credits:** 3
- ENGL 477 - Literature and Gender **Credits:** 3
- ENGL 479 - Studies in Literature **Credits:** 3, R6
- ENGL 480 - Studies in English **Credits:** 1-3, R6
- ENGL 496 - Seminar in World Literature **Credits:** 3
- ENGL 498 - Senior Seminar in English **Credits:** 3

**Mathematics, Minor**

Total number of hours for the program: 20.

**Minor Requirements**

The minor requires 20 semester hours, including two semesters of calculus:

- MATH 153 - Calculus I **Credits:** 4
- MATH 255 - Calculus II **Credits:** 4

**Additional Requirements**

Additional hours selected from any mathematics courses numbered 250 or higher excepting MATH 301, 311, 321, and 322.

**Natural Resources Management, Minor**

Total number of hours for the program: 18.

**Minor Requirements**

The minor requires 18 hours, including all of the following:

- GEOG 221 - Introduction to Geospatial Analysis **Credits:** 3
- NRM 210 - Methods in Natural Resources Management **Credits:** 4

11 hours selected from the following:

- GEOG 324 - Introduction to Remote Sensing **Credits:** 4
- GEOG 424 - Advanced Remote Sensing **Credits:** 4
- NRM 320 - Soil Conservation **Credits:** 3
- NRM 330 - Introduction to Wildlife Ecology and Management **Credits:** 3
- NRM 344 - Applied Geographic Information Systems **Credits:** 4
• NRM 351 - Forest Ecology **Credits:** 3
• NRM 371 - Landscape Ecology **Credits:** 3
• NRM 420 - Soil Genesis and Classification **Credits:** 3
• NRM 442 - Natural Resources Policy and Administration **Credits:** 3
• NRM 451 - Foundations of Silviculture **Credits:** 4
• NRM 452 - Forest Management **Credits:** 4
• NRM 460 - Watershed Management **Credits:** 3

**Philosophy, Minor**

Total number of hours for the program: 18.

**Minor Requirements (6 hours)**

- PAR 230 - Legal, Scientific, & Critical Reasoning **Credits:** 3
  *And either:*
- PAR 101 - Western Philosophical Traditions **Credits:** 3
  *or*
- PAR 102 - Western Moral Traditions **Credits:** 3

**Minor Electives (12 hours)**

Four courses (12 hours) of electives selected from the following courses.

- PAR 201 - Philosophy of Sex and Love **Credits:** 3
- PAR 304 - Ancient Greek Thought **Credits:** 3
- PAR 306 - Early Modern Philosophy from Copernicus to Kant **Credits:** 3
- PAR 307 - From Existentialism to Feminism **Credits:** 3
- PAR 309 - Philosophy In and Of Film **Credits:** 3
- PAR 310 - Philosophy of Art **Credits:** 3
- PAR 312 - Philosophy of Religion **Credits:** 3
- PAR 313 - Philosophy of Law **Credits:** 3
- PAR 315 - Philosophy of Mind **Credits:** 3
- PAR 320 - Philosophical and Religious Classics **Credits:** 3, R6
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits:** 3
- PAR 332 - Biomedical Ethics and Social Justice **Credits:** 3
- PAR 333 - Environmental Ethics **Credits:** 3
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits:** 3
- PAR 356 - Buddhism **Credits:** 3
- PAR 357 - Hinduism **Credits:** 3
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits:** 3
- PAR 366 - Religion and Science **Credits:** 3
• PAR 380 - Independent Study Credits: 1-3, R6
• PAR 392 - Global Justice, Liberty, and Human Rights Credits: 3
• PAR 393 - Topics in Philosophy and Religion Credits: 1-3, R6
• PAR 404 - Ancient Cynics, Stoics, and Skeptics Credits: 3
• PAR 495 - Seminar in Philosophy and Religion Credits: 3, R9

Physics, Minor

Total number of hours for the program: 20.

Minor Requirements

The minor requires 20 hours, including either:

• PHYS 130 - Introductory Physics I Credits: 4
  and
• PHYS 131 - Introductory Physics II Credits: 4
  Or
• PHYS 230 - General Physics I Credits: 4
  and
• PHYS 231 - General Physics II Credits: 4

Electives

Twelve hours of junior-senior electives.

Political Science, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours in political science, including:

Required Courses (6 Hours)

• PSC 101 - American Government and Politics Credits: 3
  and
• PSC 169 - Global Issues Credits: 3
  or
• INST 200 - Introduction to International Studies Credits: 3
  When taking INST 200 instead of PSC 168, students should take three additional hours of any PSC elective.
PSC Electives

Students should take twelve hours (four classes) from the following list:

- PSC 230 - Political Analysis I **Credits:** 3
- PSC 231 - Political Analysis II **Credits:** 3
- PSC 240 - Political Theory **Credits:** 3
- PSC 301 - Congress **Credits:** 3
- PSC 308 - American Presidency **Credits:** 3
- PSC 312 - Judicial Process **Credits:** 3
- PSC 313 - Constitutional Law: Structure and Powers **Credits:** 3
- PSC 314 - Southern Politics **Credits:** 3
- PSC 315 - Political Parties, Campaigns and Elections **Credits:** 3
- PSC 316 - Gender and Politics **Credits:** 3
- PSC 318 - Political Communication **Credits:** 3
- PSC 322 - Public Administration **Credits:** 3
- PSC 323 - The Nonprofit Sector **Credits:** 3
- PSC 324 - Political and Organizational Leadership **Credits:** 3
- PSC 325 - Public Policy **Credits:** 3
- PSC 326 - Natural Resources Policy and Administration **Credits:** 3
- PSC 327 - State and Local Government **Credits:** 3
- PSC 328 - U.S. Social Policy **Credits:** 3
- PSC 350 - Advanced Writing in Political Science **Credits:** 1
- PSC 352 - International Security **Credits:** 3
- PSC 353 - International Political Economy **Credits:** 3
- PSC 354 - International Environmental Politics **Credits:** 3
- PSC 357 - Political Violence **Credits:** 3
- PSC 358 - United States Foreign Policy **Credits:** 3
- PSC 359 - International Law **Credits:** 3
- PSC 361 - On War **Credits:** 3
- PSC 370 - Politics of Ethnic Conflict **Credits:** 3
- PSC 375 - European Politics **Credits:** 3
- PSC 376 - African Politics **Credits:** 3
- PSC 377 - Middle East Politics **Credits:** 3
- PSC 378 - Asian Politics **Credits:** 3
- PSC 379 - Latin American Politics **Credits:** 3
- PSC 380 - Politics of Developing Areas **Credits:** 3
- PSC 389 - Cooperative Education in Political Science **Credits:** 1 or 3, R15
- PSC 406 - Teaching Civics and Economics **Credits:** 1
- PSC 451 - Model United Nations **Credits:** 3, R6
- PSC 452 - Model United Nations II **Credits:** 3
• PSC 455 - Civic Engagement Credits: 3
• PSC 480 - Readings in Political Science Credits: 3, R6
• PSC 483 - Internship in Political Science Credits: 3
• PSC 484 - Internship in Political Science Credits: 3
• PSC 485 - Internship in Political Science Credits: 3
• PSC 493 - Special Topics in World Politics Credits: 3, R6
• PSC 494 - Special Topics in American Politics Credits: 3, R6
• PSC 499 - Senior Capstone Credits: 1

Professional Writing, Minor

Total number of hours for the program: 18

The Minor in Professional Writing requires 18 semester hours as follows, exclusive of those counting toward the major.

Note: The Minor in Professional Writing is not open to students pursuing the BA in English with a Professional Writing Concentration. Additionally, BA English (Literature, Professional Writing, English Studies Pedagogy, or Motion Picture Studies) students who elect to enroll in the English Professional Writing, Film Studies, Literature, or Creative Writing minor may not use an ENGL course for both the major and the minor; double counting of a course between those majors and this minor is not allowed.

The Professional Writing minor is not open to those pursuing the BA in English with a concentration in professional writing.

Minor Requirements

Students should take twelve semester hours selected from the following writing courses:

• ENGL 302 - Introduction to Creative Writing and Editing Credits: 3
• ENGL 303 - Introduction to Professional Writing and Editing Credits: 3
• ENGL 304 - Writing for Electronic Environments Credits: 3
• ENGL 306 - Nonfiction Writing Credits: 3
• ENGL 307 - Professional Editing and Publishing Credits: 3
• ENGL 308 - Fiction Writing Credits: 3, R6
• ENGL 309 - Poetry Writing Credits: 3, R6
• ENGL 313 - Authoring Multimedia Credits: 3, R6
• ENGL 315 - Proposal and Grant Writing Credits: 3
• ENGL 389 - Cooperative Education: Professional Writing Credits: 1 or 3, R15
• ENGL 401 - Writing for Careers Credits: 3
• ENGL 402 - Technical Writing Credits: 3
• ENGL 405 - Advanced Creative Writing Credits: 3
- ENGL 412 - Grammar for Writers Credits: 3
- ENGL 429 - Studies in Professional Writing Credits: 3
- ENGL 483 - Writing Internship Credits: 3
- ENGL 493 - Topics in Creative Writing Credits: 1-3, R6

Additional Requirements

Six hours from any English course, exclusive of those approved for 100-200 level liberal studies credit.

- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
- ENGL 278 - Introduction to Film Studies Credits: 3
- ENGL 312 - Grammar for Teachers Credits: 3
- ENGL 333 - Introduction to Shakespeare Credits: 3
- ENGL 350 - The Renaissance Credits: 3
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
- ENGL 352 - The Journey in Literature Credits: 3
- ENGL 353 - Stories Retold Credits: 3
- ENGL 356 - Literature and Immigration Credits: 3
- ENGL 367 - Appalachian Literature Credits: 3
- ENGL 368 - Film Genres Credits: 3, R6
- ENGL 378 - Motion Picture Histories Credits: 3
- ENGL 389 - Cooperative Education: Professional Writing Credits: 1 or 3, R15
- ENGL 390 - The Bible as Literature Credits: 3
- ENGL 394 - Film Adaptation Credits: 3, R6
- ENGL 411 - History of the English Language Credits: 3
- ENGL 414 - Fundamentals of Teaching Composition Credits: 3
- ENGL 415 - Introduction to Linguistics Credits: 3
- ENGL 416 - Teaching English as a Second Language Credits: 3
- ENGL 419 - Medieval Literature Credits: 3
- ENGL 420 - Chaucer and His Age Credits: 3
- ENGL 421 - Fairy Tale Literature Credits: 3
- ENGL 430 - English Literature of the Renaissance Credits: 3
- ENGL 431 - Shakespeare and His Age Credits: 3
- ENGL 440 - Milton and His Age Credits: 3
- ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
- ENGL 450 - Major Writers Credits: 3, R6
- ENGL 451 - Nineteenth-Century British Writers Credits: 3
- ENGL 459 - Southern Literature Credits: 3
• ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
• ENGL 463 - Contemporary Literature Credits: 3
• ENGL 464 - Native American Literature Credits: 3
• ENGL 465 - Topics in African American Literature Credits: 3
• ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
• ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
• ENGL 471 - Studies in Poetry Credits: 3
• ENGL 472 - Studies in Fiction Credits: 3
• ENGL 473 - Studies in Drama Credits: 3
• ENGL 474 - Literary Theory Credits: 3
• ENGL 475 - Modernism Credits: 3
• ENGL 476 - The Short Story Credits: 3
• ENGL 477 - Literature and Gender Credits: 3
• ENGL 478 - Film Theory Credits: 3
• ENGL 479 - Studies in Literature Credits: 3, R6
• ENGL 480 - Studies in English Credits: 1-3, R6
• ENGL 494 - Special Topics in Advanced American English for Non-Native Speakers Credits: 1, R6
• ENGL 496 - Seminar in World Literature Credits: 3
• ENGL 498 - Senior Seminar in English Credits: 3

Religion, Minor

Total number of hours for the program: 18.

Minor Requirements (9 hours)

• PAR 145 - Eastern Religious Traditions Credits: 3
• PAR 146 - Western Religious Traditions Credits: 3
• PAR 342 - Theory and Method in the Study of Religion Credits: 3

Minor Electives (9 hours)

Students should take nine hours of electives selected from the following courses:

• ANTH 365 - Religion, Magic, Myth Credits: 3
• ENGL 390 - The Bible as Literature Credits: 3
• HIST 421 - Romans, Christians, Barbarians Credits: 3
• HIST 455 - American Religious History Credits: 3
• PAR 230 - Legal, Scientific, & Critical Reasoning Credits: 3
• PAR 307 - From Existentialism to Feminism Credits: 3
- PAR 312 - Philosophy of Religion **Credits:** 3
- PAR 320 - Philosophical and Religious Classics **Credits:** 3, R6
- PAR 323 - Mysticism **Credits:** 3
- PAR 330 - America's Wilderness Ethics and Aesthetics **Credits:** 3
- PAR 353 - Religion in Film **Credits:** 3
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits:** 3
- PAR 356 - Buddhism **Credits:** 3
- PAR 357 - Hinduism **Credits:** 3
- PAR 365 - Faith and Reason from Empire to Enlightenment **Credits:** 3
- PAR 366 - Religion and Science **Credits:** 3
- PAR 367 - Native American Religions **Credits:** 3
- PAR 380 - Independent Study **Credits:** 1-3, R6
- PAR 392 - Global Justice, Liberty, and Human Rights **Credits:** 3
- PAR 393 - Topics in Philosophy and Religion **Credits:** 1-3, R6
- PAR 495 - Seminar in Philosophy and Religion **Credits:** 3, R9

**Sociology, Minor**

Total number of hours for the program: 21.

**Minor Requirements**

The minor requires 21 hours. The following course is required:

- SOC 103 - Human Society **Credits:** 3

**Additional Requirements**

Students should take 18 hours of sophomore-, junior-, or senior-level sociology courses.

**Spanish, Minor**

Total Number of hours for the program: 21.

**Major Requirements (6 hours)**

- SPAN 231 - Intermediate Spanish I **Credits:** 3
- SPAN 232 - Intermediate Spanish II **Credits:** 3
  
  or
  
  SPAN 240 - Accelerated Intermediate Spanish **Credits:** 6

**Guided Elective:**
Students should take 15 hours (five courses) of Spanish courses at the 300-400 level.

Teaching English to Speakers of Other Languages (TESOL), Minor

The TESOL minor provides a basic course of study for the methodology, theory and practice of teaching English as a second language. The minor provides an opportunity to seek NC ESL licensure as an add-on to primary licensure in another area. The minor requires the following:

Minor Requirements (18 Hours)

Linguistics Requirement

- ENGL 415 - Introduction to Linguistics Credits: 3

Methods Requirement

Choose one (three hours) of these two courses. It is recommended that students seeking initial licensure with a concentration in Language Arts (all levels) complete ENGL 416. Students seeking licensure with concentrations in Math, Science, and Social Studies (all levels) complete ENGL 413.

Note: Students should complete ENGL 312 and ENGL 415 before enrolling in ENGL 413 or 416.

- ENGL 413 - ESL Methods for Content Teachers Credits: 3
- ENGL 416 - Teaching English as a Second Language Credits: 3

Practicum Requirements

The practicum requirement may, in some circumstances, be met by the practicum/student teaching in a student’s initial licensure area. The practicum must contain a significant English Language Learners (ELL) K-12 component. See the TESOL/ESL director for approval of the practicum requirement.

- ENGL 492 - ESL Practicum Credits: 3

TESOL Courses (9 hours)

- ENGL 312 - Grammar for Teachers Credits: 3
  Two of the following three courses:
- ENGL 319 - Grammar, Language, and Discourse Credits: 3
- ENGL 325 - Language and Culture Credits: 3
ESL Add-on Licensure (K12) Optional Requirements

NC ESL licensure (K-12) is available for students pursuing initial licensure in another area. NC ESL licensure is only available as an add-on license for students receiving primary licensure in the following areas: Elementary, Middle Grades, and Secondary content areas only (English, Science, Social Studies, and Math education).

To be recommended for licensure, students must successfully complete the following:

- The TESOL minor
- Either the PRAXIS II Teaching English to Speakers of Other Languages exam

- Six additional hours of licensure-related coursework.

PRAXIS Exam Option

Students seeking the NC ESL licensure (K-12) who achieve a successful score on the PRAXIS II Teaching English to Speakers of Other Languages exam can choose this option instead of six hours of additional licensure-related classes. See TESOL program director for information concerning current score requirements.

Two-course (six hour) option

Students can choose six additional hours of coursework selected from the following, instead of the PRAXIS II (see above)

Note: The six-hour requirement is in addition to the 18 hour minor. ESL Courses listed in the minor may be used to satisfy the requirement to obtain add-on licensure only if they are taken in addition to 18 hours of ESL courses completed to satisfy the minor.)

- ENGL 319 - Grammar, Language, and Discourse Credits: 3
- ENGL 325 - Language and Culture Credits: 3
- ENGL 326 - Policies and Politics of ESL Credits: 3
- ENGL 413 - ESL Methods for Content Teachers Credits: 3
- ENGL 416 - Teaching English as a Second Language Credits: 3
- EDMG 411 - Differentiated Instruction in Middle Grades Education Credits: 3
College of Business

Office Information:

124 Forsyth Building (828) 227-7412

Website: http://www.wcu.edu/academics/departments-schools-colleges/COB/index.asp

Dr. Hollye Moss, Interim Dean
Dr. Debra Burke, Associate Dean for Academic Affairs
Dr. Kenneth Flynt, Associate Dean for Outreach and Engagement

Faculty and Staff Directory: http://www.wcu.edu/discover/contact-wcu/staff-directory.aspx (search by department)

Vision. The College of Business will be a leading educator of high-performance, innovative leadership talent who are prepared to meet tomorrow’s business and the region’s evolving development needs.

Mission. Western Carolina University's College of Business is a leader among schools of business in graduating baccalaureate and master's degree students primarily from the lower Appalachians and the Carolina Piedmont who are Business Ready® to meet the needs of industries, markets and institutions.

Programs of study. Bachelor of Science in Business Administration (BSBA) (with majors in Accounting, Business Administration and Law, Computer Information Systems, Innovation Leadership and Entrepreneurship, Finance, Management, Marketing and Sport Management), Bachelor of Science in Entrepreneurship, Bachelor of Science in Hospitality Tourism Management, Master of Accountancy, Master of Business Administration, Master of Innovation Leadership and Entrepreneurship, Master of Project Management, and Master of Sport Management. The Master of Business Administration and the Master of Accountancy are offered in Asheville; the Master of Entrepreneurship, the Master of Project Management, and Master of Sport Management are web based, available internationally.

Admission to BSBA programs. Admission requirements for specific programs can be found in the respective program descriptions. Consistent with the policy on transfer of course work, at least 30 semester hours of courses must be taken in the upper division at Western Carolina University toward the BSBA or BS degrees.

The Bachelor of Science in Business Administration (BSBA) degree. This degree program requires the following:

- Liberal Studies (42 hours)
- Business core courses (36 hours)
- Major program of study in business and elective courses (42 hours)
• Minimum requirements for BSBA Degree (120 hours)

• A minimum GPA of 2.0 is required in the major for graduation.

The major comprises the business core courses and hours in the major program of study. Appropriate prerequisites must be completed and at least 45 hours are required for enrollment in all courses numbered 300 or above in the College of Business.

Note: Students with majors outside the College of Business are prohibited from taking in excess of 25 percent of the hours required for their degree from College of Business courses.

**Business Core Requirements (36 hours)**

The Business Core is required for all BSBA Majors.

**Required**

- ACCT 251 - Financial Accounting - A User Perspective **Credits:** 3
- ACCT 252 - Using Accounting Information for Management Decisions **Credits:** 3
- CIS 251 - Managing Enterprise Information Systems **Credits:** 3
- ECON 231 - Introductory Microeconomics and Social Issues **Credits:** 3
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits:** 3
- FIN 305 - Financial Management **Credits:** 3
- LAW 230 - Legal and Ethical Environment of Business **Credits:** 3
- MGT 300 - Introduction to Management **Credits:** 3
- MGT 404 - Strategic Management **Credits:** 3
- MKT 201 - Marketing Planning and Strategy **Credits:** 3
- QA 305 - Introduction to Management Science **Credits:** 3
  Students must take one of the following:
- MATH 170 - Applied Statistics **Credits:** 3
  or
- QA 235 - Business Statistics **Credits:** 3
  
  *MATH 170 and ECON 231 also satisfy Liberal Studies requirements, which may allow students an additional six hours of general electives.*

**School of Accounting, Finance, Information Systems, and Business Law**

*Office Information:*

*104C Forsyth Building*
*(828) 227-7412*
Certificate in Financial Planning

Certificate Requirements

The Certificate includes the six courses required by the Certified Financial Planning Board to sit for the Certified Financial Planner exam. The Certificate (18 hours) requires the completion of the following:

- ACCT 355 - Introduction to Income Taxation **Credits:** 3
- FIN 210 - Managing your Money for Financial Success **Credits:** 3
- FIN 406 - Investment Strategies **Credits:** 3
- FIN 410 - Retirement Planning **Credits:** 3
- FIN 499 - Case Studies in Financial Planning **Credits:** 3
  *One of the following estate-planning classes:*
- FIN 496 - Estate & Trust Planning **Credits:** 3
- LAW 496 - Estate and Trust Planning **Credits:** 3

Accounting, BSBA

Total number of hours for program: 120.

**Note:** A student must complete ACCT 275 with a grade of C or better before taking ACCT 352 or ACCT 365.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students should take the following 21 hours in the major:

- ACCT 275 - Intermediate Accounting I **Credits:** 3
• ACCT 352 - Intermediate Accounting II Credits: 3
• ACCT 355 - Introduction to Income Taxation Credits: 3
• ACCT 356 - Cost Accounting Credits: 3
• ACCT 365 - Accounting Information Systems Credits: 3
• ACCT 454 - Auditing Credits: 3
• ACCT 495 - Senior Seminar Credits: 3

General Electives

To complete 120 hours, students should take 21-27 (number depends on how many Liberal Studies courses also count toward the major). General Electives Credits: 21-27 hours depending on Liberal Studies courses completed. To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Curriculum Guide

Visit the department's website at http://accounting.wcu.edu to view the eight-semester curriculum guide.

Accelerated Bachelor's/Master's (ABM)

Undergraduate accounting majors may take a limited number of Master of Accountancy Program courses during their senior year under WCU's Accelerated Bachelor's to Master's (ABM) framework once they have met the following admission requirements:

- The student meets the criteria for the current GMAT waiver policy consisting of a 3.60 GPA overall and a 3.25 GPA in the four prerequisite accounting courses (ACCT 275, 352, 355 and 356).

- The student must have earned at least 75 student credit hours at the time of application for consideration by the program.

Other parameters are as follows:

- The student must earn a B or better in each of the graduate courses as an ABM student in order for it to count toward their graduate degree.

- The student must earn an average 3.0 GPA in undergraduate courses taken as an ABM student to continue in the ABM track.

- Students may take up to 6 hours of graduate credit as an ABM student

- No credits will double count for both the undergraduate degree and the graduate degree
Students are limited to 1 graduate class per semester unless approved by both the graduate program director and the student’s undergraduate advisor. See Graduate Catalog for specific courses available to ABM students.

**Business Administration and Law, BSBA**

Total number of hours for program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Business Core: 36 hours**

Business Core Requirements (36 hours)

**Major Requirements**

Students must take 21 hours in the major, including nine required hours and 12 elective hours.

**Required courses (9 hours):**

- LAW 275 - Business Organization Credits: 3
- LAW 331 - Contracts and Sales Credits: 3
- LAW 412 - Business Ethics and Corporate Responsibility Credits: 3

**Law Elective Courses (12 hours)**

Select four courses (12 hours) from the following:

- LAW 285 - Mediation Credits: 3
- LAW 302 - Legal Aspects of Managing Technology Credits: 3
- LAW 303 - Unfair Business Practices Credits: 3
- LAW 320 - International Business Law Credits: 3
- LAW 393 - Topics in Business Law Credits: 1-3, R6
- LAW 402 - Hospitality Law Credits: 3
- LAW 403 - Business Assets Credits: 3
- LAW 406 - Media Law Credits: 3
- LAW 410 - Litigation in Business Credits: 3
- LAW 420 - Risk Management and Liability in Sport Credits: 3
- LAW 440 - Labor and Employment Law Credits: 3
- LAW 475 - Legal and Professional Skills Credits: 3
- LAW 480 - Independent Research in Business Law Credits: 3
- LAW 483 - Internship in Business Law Credits: 3
- LAW 496 - Estate and Trust Planning Credits: 3

General Electives

To complete 120 hours, students should take 21-27 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at http://blaw.wcu.edu to view the eight-semester curriculum guide.

Computer Information Systems, BSBA

Total number of hours for program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

in addition to the Business Core, students should take the following 30 hours in the major:

- CIS 235 - Foundations of Information Technology Credits: 3
- CIS 240 - Business Applications Development I Credits: 3
- CIS 253 - Database Theory, Practice, and Application Development Credits: 3
- CIS 335 - Enterprise Technology Management Credits: 3
- CIS 340 - Web Back-End Development Credits: 3
- CIS 453 - Database Management Systems Credits: 3
- CIS 455 - Computer Information Systems Analysis and Design Credits: 3
- CIS 465 - CIS Capstone Credits: 3

Major Electives
Students should also choose six hours of program electives from the following:

- **CIS 293** - Topics in Computer Information Systems **Credits:** 1-3, R6
- **CIS 360** - Business Intelligence **Credits:** 3
- **CIS 389** - Cooperative Education in Information Systems **Credits:** 1 or 3, R15
- **CIS 403** - Business Research and Reports **Credits:** 3
- **CIS 466** - Small Business Computing **Credits:** 3
- **CIS 480** - Independent Research in Information Systems **Credits:** 3
- **CIS 483** - Internship in Information Systems **Credits:** 1-3, R6
- **CIS 484** - Internship in Information Systems **Credits:** 1-3, R6
- **CIS 485** - Internship in Information Systems **Credits:** 1-3, R6
- **CIS 493** - Topics in Information Systems **Credits:** 1-3, R15
- **CS 150** - Problem Solving and Programming I **Credits:** 4
- **MGT 367** - Introduction to Project Management in Practice **Credits:** 3

**General Electives**

To complete 120 hours, students should take 12-16 hours (number depends on how many Liberal Studies courses also count toward the major.) To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

**Curriculum guide**

Visit the department's website at http://cis.wcu.edu to view the eight-semester curriculum guide.

**Finance, BSBA**

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Business Core: 36 hours**

Business Core Requirements (36 hours)

**Major Requirements**

Finance major fulfill a Core and a Concentration (Financial Planning, Banking or Corporate Finance, or General Finance.)
Concentrations

Banking or Corporate Finance Concentration

Students interested in careers in banking and corporate finance should take both of the following:

- FIN 440 - Bank Practice and Policy **Credits: 3**
- FIN 450 - Contemporary Managerial Finance **Credits: 3**
  
  *They should select three courses from the following:*
- ACCT 275 - Intermediate Accounting I **Credits: 3**
- ECON 303 - Monetary and International Economics **Credits: 3**
- FIN 301 - Financial Statement Analysis **Credits: 3**
- FIN 483 - Internship in Finance **Credits: 3, R9**

Financial Planning Concentration

This concentration should be chosen by students who wish to earn a Financial Planning Certificate. To earn a Financial Planning Certificate, students may not make substitutions to the following requirements:

- ACCT 355 - Introduction to Income Taxation **Credits: 3**
- FIN 210 - Managing your Money for Financial Success **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
- FIN 496 - Estate & Trust Planning **Credits: 3**
- FIN 499 - Case Studies in Financial Planning **Credits: 3**

General Finance Concentration

Students interested in general knowledge of the finance industry should select five courses from the following list, which may include ACCT 275 or ACCT 355 but not both:

- FIN 210 - Managing your Money for Financial Success **Credits: 3**
- FIN 301 - Financial Statement Analysis **Credits: 3**
- FIN 350 - So You Want to Be a Millionaire **Credits: 3**
- FIN 389 - Cooperative Education in Finance **Credits: 1 or 3, R15**
- FIN 407 - International Finance **Credits: 3**
- FIN 409 - Entrepreneurial Finance **Credits: 3**
- FIN 410 - Retirement Planning **Credits: 3**
• FIN 440 - Bank Practice and Policy Credits: 3
• FIN 450 - Contemporary Managerial Finance Credits: 3
• FIN 470 - Portfolio Management Credits: 3
• FIN 480 - Independent Research Credits: 3
• FIN 483 - Internship in Finance Credits: 3, R9
• FIN 493 - Topics in Finance Credits: 1-3, R6
• FIN 496 - Estate & Trust Planning Credits: 3
• FIN 499 - Case Studies in Financial Planning Credits: 3
• ECON 303 - Monetary and International Economics Credits: 3

No more than one of the following:
• ACCT 275 - Intermediate Accounting I Credits: 3
• ACCT 355 - Introduction to Income Taxation Credits: 3

Curriculum Guide

To complete 120 hours, students should take 12-16 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at http://finance.wcu.edu to view the eight-semester curriculum guide.

School of Economics, Management, and Project Management

Office Information:

104B Forsyth Building
(828) 227-7412

Website: http://www.wcu.edu/learn/departments-schools-colleges/cob/academic-departments/econ-man-pm/

Dr. Hollye Moss, Department Head

https://www.wcu.edu/discover/contact-wcu/staff-directory.aspx (search by department)

Management, BSBA

The major is designed to prepare students for a successful career in business leadership through hands-on training that links theory and practice. Total number of hours for program: 120.

Liberal Studies (42 hours)
Liberal Studies Program Requirements

Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements

Students must take all of the following nine classes (27 hours):

- MGT 304 - Human Resource Management Credits: 3
- MGT 306 - Behavioral Science in Organizations Credits: 3
- MGT 366 - Applied Management Skills Credits: 3
- MGT 367 - Introduction to Project Management in Practice Credits: 3
- MGT 402 - Production and Operations Management Credits: 3
- MGT 495 - Seminar in Management Credits: 3

Students should also select nine hours guided Business electives at the 300-400 level in consultation with their advisor.

General Electives

To complete 120 hours, students should take 24-30 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Curriculum Guide

Visit the department's website at http://management.wcu.edu to view the eight-semester curriculum guide.

School of Marketing, Entrepreneurship, Sport Management, and Hospitality and Tourism

Office Information:

104D Forsyth Building
(828) 227-7412

Website: http://www.wcu.edu/learn/departments-schools-colleges/cob/academic-departments/market-entr-sm-hlt/

Dr. James DeConinck, Department Head
Entrepreneurship, BS

Total number of hours for the program: 120.

Liberal Studies: 42 hours

Major requirements (48 hours)

The following 48 hours are required in the major:

- ACCT 251 - Financial Accounting - A User Perspective Credits: 3
- CIS 251 - Managing Enterprise Information Systems Credits: 3
- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
- FIN 305 - Financial Management Credits: 3
- LAW 230 - Legal and Ethical Environment of Business Credits: 3

- MATH 170 - Applied Statistics Credits: 3
  or
- QA 235 - Business Statistics Credits: 3
  or
- MATH 130 - College Algebra Credits: 3
  or
  *Any other math course with MATH 130 as a prerequisite.*

- MGT 300 - Introduction to Management Credits: 3

- MKT 201 - Marketing Planning and Strategy Credits: 3
  or
- MKT 206 - Introduction to Professional Selling Credits: 3

- ENT 201 - Introduction to Entrepreneurship Credits: 3
- ENT 250 - Innovation and Creativity Credits: 3
- ENT 301 - Innovation Leadership Credits: 3
- ENT 325 - New Venture Creation Credits: 3
- ENT 350 - New Venture Execution Credits: 3
- ENT 401 - Entrepreneurial Funding Credits: 3
- ENT 450 - New Venture Strategy Credits: 3
- ENT 475 - Entrepreneurial Experience Credits: 3
  *Or*
- ENT 483 - Internship Credits: 1-3, R6
Cognate (18 hours)

The underlying philosophy of the BS Entrepreneurship degree is to give students a foundation in business concepts that can be combined with 18 hours of courses in a discipline-specific area of knowledge in the type of business students would like to start. The Cognate represents the courses in the discipline-specific area of knowledge. At least six hours must be at the junior-senior level.

General Electives (12 hours)

To complete 120 hours, students should take 12 or more hours (number depends on how many Liberal Studies courses also count toward the major). To Satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at http://entrepreneurship.wcu.edu to view the eight-semester curriculum guide.

Hospitality Tourism Management, BS

Total number of hours for the program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements (54 hours)

The following 54 hours are required in the major:

- ACCT 251 - Financial Accounting - A User Perspective **Credits:** 3
- CIS 251 - Managing Enterprise Information Systems **Credits:** 3
- ECON 231 - Introductory Microeconomics and Social Issues **Credits:** 3
- FIN 305 - Financial Management **Credits:** 3
- HT 130 - The Hospitality and Tourism Services Industry **Credits:** 3
- HT 334 - Restaurant Management **Credits:** 3
- HT 335 - Lodging and Resort Management **Credits:** 3
- HT 432 - Hospitality Supervision **Credits:** 3
- HT 436 - Tourism Planning and Development **Credits:** 3
- HT 438 - Strategic Management in the Hospitality and Tourism Industry **Credits:** 3
- HT 483 - Internship **Credits:** 3
- LAW 230 - Legal and Ethical Environment of Business **Credits:** 3
- MGT 300 - Introduction to Management **Credits:** 3
- MKT 201 - Marketing Planning and Strategy **Credits:** 3

  *or*

- MATH 170 - Applied Statistics **Credits:** 3

  *or*

- QA 235 - Business Statistics **Credits:** 3

  *In addition, students must choose any three courses from the following list, which must include at least three hours at the 300-400 level:*

  - HT 229 - Hotel Front Office Operations **Credits:** 3
  - HT 231 - Hospitality Facilities Management **Credits:** 3
  - HT 232 - Quality Service **Credits:** 3
  - HT 233 - Quantity Foods **Credits:** 3
  - HT 238 - Travel & Tourism **Credits:** 3
  - HT 239 - Cost Control in the Hospitality and Tourism Industry **Credits:** 3
  - HT 241 - Special Events and Festival Management **Credits:** 3
  - HT 293 - Topics **Credits:** 1-3, R12
  - HT 336 - Club Management **Credits:** 3
  - HT 337 - Meeting, Convention, and Event Planning **Credits:** 3
  - HT 431 - Hospitality and Tourism Marketing **Credits:** 3
  - HT 434 - Advanced Club Management **Credits:** 3
  - HT 437 - Bar and Beverage Operations **Credits:** 3
  - HT 465 - International Studies in Hospitality & Tourism **Credits:** 6
  - HT 477 - Casino Management **Credits:** 3
  - HT 480 - Independent Study **Credits:** 1-3, R6
  - HT 493 - Topics **Credits:** 1-12
  - LAW 402 - Hospitality Law **Credits:** 3

**General Electives (24 to 30 hours)**

To complete 120 hours, students should take 24-30 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department’s website at http://ht.wcu.edu to view the eight-semester curriculum guide.

**Innovation Leadership and Entrepreneurship, BSBA**

The Bachelor of Science in Business Administration ("BSBA") with a major in Innovation Leadership and Entrepreneurship ("ILE") provides students with the knowledge and skills to drive innovation within existing organizations or to create new ventures. The ILE builds a foundation in intrapreneurial and entrepreneurial concepts and
skills. Students focus on identifying, driving, and leveraging innovation for both internal and external opportunities.

Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Business Core: 36 hours**

Business Core Requirements (36 hours)

**Major Requirements**

Students should take all of the following eight classes (24 hours):

- ENT 201 - Introduction to Entrepreneurship **Credits:** 3
- ENT 250 - Innovation and Creativity **Credits:** 3
- ENT 301 - Innovation Leadership **Credits:** 3
- ENT 325 - New Venture Creation **Credits:** 3
- ENT 335 - Intrapreneurship **Credits:** 3
- ENT 350 - New Venture Execution **Credits:** 3
- ENT 401 - Entrepreneurial Funding **Credits:** 3
- ENT 450 - New Venture Strategy **Credits:** 3

**General Electives (18 to 24 hours)**

To complete 120 hours, students should take 18-24 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

**Marketing, BSBA**

This program is designed to prepare students for careers in sales and marketing. Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Business Core: 36 hours**
Business Core Requirements (36 hours)

Major Requirements

Marketing BSBA requires 21 hours in the major, including both of the following:

- MKT 206 - Introduction to Professional Selling Credits: 3
- MKT 465 - Decision Making for Value Creation Credits: 3
  
  *Students should also take five additional marketing electives (15 hours) at the 200-400 level.*
  
  *Or*
  
  *Students should take four additional marketing electives (12 hours) plus:*

- SM 361 - Sport Marketing Credits: 3

Electives

To complete 120 hours, students should take 24-30 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Note: Students may select various interest areas, such as digital marketing, sales management, or general marketing, by carefully choosing their electives in consultation with their academic advisor

Curriculum Guide

Visit the department's website at http://salesandmarketing.wcu.edu to view the eight-semester curriculum guide.

Electives

Students should also select 15 hours (five courses) from other marketing courses, which can include:

- SM 361 - Sport Marketing Credits: 3

  Note: First Year Seminars numbered 195 cannot apply toward a minor.

Sport Management, BSBA

Total number of hours for program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements
Business Core: 36 hours

Business Core Requirements (36 hours)

Major Requirements: (34 hours)

Students should take all seven courses (28 hours) in the following list:

- SM 260 - Introduction to Sport Management Credits: 3
- SM 283 - Apprenticeship Credits: 1, R3
- SM 340 - Sport Ethics Credits: 3
- SM 361 - Sport Marketing Credits: 3
- SM 420 - Risk Management and Liability in Sport Credits: 3
- SM 435 - Sport Event and Facility Management Credits: 3
- SM 446 - Sport Media Credits: 3
- SM 460 - Financial Aspects of Sport Credits: 3
- SM 484 - Internship in Sport Management Credits: 3
- SM 495 - Sport Management Strategy Credits: 3

Major Electives

Students should select six hours (two courses) from the following:

- SM 314 - Sport Data CAMP Credits: 3
- SM 350 - Global sport and culture Credits: 3
- LAW 331 - Contracts and Sales Credits: 3
- MKT 206 - Introduction to Professional Selling Credits: 3
- MKT 406 - Internet and Social Media Marketing & Sales Credits: 3

General Electives

To complete 120 hours, students should take 19-15 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Curriculum Guide

Visit the department's website at http://sportmanagement.wcu.edu to view the eight-semester plan.

Accountancy, Minor

Total number of hours for the program: 18.
Requirements

The minor requires 18 hours, including the following:

- ACCT 251 - Financial Accounting - A User Perspective Credits: 3
- ACCT 252 - Using Accounting Information for Management Decisions Credits: 3
- ACCT 275 - Intermediate Accounting I Credits: 3
- ACCT 352 - Intermediate Accounting II Credits: 3
- ACCT 355 - Introduction to Income Taxation Credits: 3
- ACCT 356 - Cost Accounting Credits: 3

Business Administration, Minor

Total number of hours for the program: 18.

The business administration minor is open to non-business majors.

Minor requirements:

Students must take 18 semester hours as follows:

- ACCT 161 - Accounting for the Non-Business Major Credits: 3
  or
- ACCT 251 - Financial Accounting - A User Perspective Credits: 3
- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
  or
- ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
- FIN 305 - Financial Management Credits: 3
- MGT 300 - Introduction to Management Credits: 3
- MKT 201 - Marketing Planning and Strategy Credits: 3
  *Plus one other course offered by the College of Business

Business Law, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including the following:

- LAW 105 - Introduction to Law Credits: 3
  or
- LAW 230 - Legal and Ethical Environment of Business Credits: 3
Law Electives

Students must select five courses (15 hours) from the following:

- LAW 201 - Individual Rights Credits: 3
- LAW 275 - Business Organization Credits: 3
- LAW 285 - Mediation Credits: 3
- LAW 302 - Legal Aspects of Managing Technology Credits: 3
- LAW 303 - Unfair Business Practices Credits: 3
- LAW 306 - Women and the Law Credits: 3
- LAW 320 - International Business Law Credits: 3
- LAW 331 - Contracts and Sales Credits: 3
- LAW 402 - Hospitality Law Credits: 3
- LAW 403 - Business Assets Credits: 3
- LAW 406 - Media Law Credits: 3
- LAW 410 - Litigation in Business Credits: 3
- LAW 412 - Business Ethics and Corporate Responsibility Credits: 3
- LAW 420 - Risk Management and Liability in Sport Credits: 3
- LAW 440 - Labor and Employment Law Credits: 3

Computer Information Systems, Minor

Total number of hours for the minor: 18.

Minor Requirements

Note: Many courses have required prerequisites.

The minor requires 18 hours including the following:

- CIS 235 - Foundations of Information Technology Credits: 3
- CIS 240 - Business Applications Development I Credits: 3
- CIS 251 - Managing Enterprise Information Systems Credits: 3
- CIS 253 - Database Theory, Practice, and Application Development Credits: 3
  Students should choose two courses (six hours) from the following CIS courses:
- CIS 293 - Topics in Computer Information Systems Credits: 1-3, R6
- CIS 335 - Enterprise Technology Management Credits: 3
- CIS 340 - Web Back-End Development Credits: 3
- CIS 440 - Advanced Business Programming Applications Credits: 3
- CIS 453 - Database Management Systems Credits: 3
- CIS 455 - Computer Information Systems Analysis and Design Credits: 3
- CIS 493 - Topics in Information Systems Credits: 1-3, R15
Conflict Resolution, Minor

Total number of hours for the program: 18.

The minor offers students an opportunity to learn and practice dispute resolution theory by becoming peer mediators and mediating campus disputes and observing court mediations.

Required hours (6)

- LAW 285 - Mediation Credits: 3
- LAW 484 - Internship in Business Law Credits: 3

Elective hours (12 hours)

Select 12 hours from the following

- BA 304 - Business Communications in a Multicultural Environment Credits: 3
- CJ 311 - Juvenile Justice and Delinquency Credits: 3
- COMM 313 - Conflict Resolution Credits: 3
- COMM 415 - Intercultural Communication Credits: 3
- LAW 412 - Business Ethics and Corporate Responsibility Credits: 3
- MGT 302 - Labor-Management Relations Credits: 3
- MKT 409 - Negotiations/Relationship Marketing Credits: 3

Economics, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours including all of the following:

- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
- ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
- ECON 302 - Managerial Economics Credits: 3
  Students should select one course from the following:
  - QA 235 - Business Statistics Credits: 3
  - MATH 170 - Applied Statistics Credits: 3
  - MATH 270 - Statistical Methods I Credits: 3

Students should choose six hours of 300 or 400 level economics courses, which may include the following:
Entrepreneurship, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including:

- ENT 201 - Introduction to Entrepreneurship Credits: 3
- ENT 250 - Innovation and Creativity Credits: 3
- ENT 301 - Innovation Leadership Credits: 3
- ENT 325 - New Venture Creation Credits: 3
- ENT 350 - New Venture Execution Credits: 3

3 hours Business Elective. First Year Seminars numbered 195 cannot be applied toward a minor.

Finance, Minor

Requirements

The minor requires 18 hours, including all of the following:

- ACCT 251 - Financial Accounting - A User Perspective Credits: 3
- FIN 305 - Financial Management Credits: 3
- FIN 335 - Financial Institutions Credits: 3
- FIN 406 - Investment Strategies Credits: 3

Elective hours (6 hours)

Students should also select six hours of electives from the following:

- ACCT 275 - Intermediate Accounting I Credits: 3
- FIN 210 - Managing your Money for Financial Success Credits: 3
- FIN 301 - Financial Statement Analysis Credits: 3
- FIN 410 - Retirement Planning Credits: 3
- FIN 440 - Bank Practice and Policy Credits: 3
- FIN 450 - Contemporary Managerial Finance Credits: 3
- FIN 470 - Portfolio Management Credits: 3
- FIN 496 - Estate & Trust Planning Credits: 3
Hospitality and Tourism, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours including the following:

- HT 130 - The Hospitality and Tourism Services Industry **Credits: 3**
  And 15 additional hours of HT courses, not including:
- HT 438
- HT 484
- HT 485

Management, Minor

Total number of hours for the program: 18.

Minor Requirements

The minor requires 18 hours, including all of the following three classes:

- MGT 300 - Introduction to Management **Credits: 3**
- MGT 304 - Human Resource Management **Credits: 3**
- MGT 306 - Behavioral Science in Organizations **Credits: 3**

*Students should also take nine hours of approved Management Electives.*

Marketing, Minor

Total number of hours for the program: 18.

Minor Requirements

Students should take one of the following two Marketing classes:

- MKT 211 - Marketing Principles (for non-marketing majors) **Credits: 3**
- MKT 201 - Marketing Planning and Strategy **Credits: 3**

Sport Management, Minor

Total number of hours for the program: 18.
Minor requirements:

The minor, open to non-Sport Management majors, requires 18 hours, including:

- SM 260 - Introduction to Sport Management Credits: 3
  *(Must be taken before any 300-400 level SM courses.)*
  
  **Students should also take selective courses (15 hours) from the following:**
  
  - SM 314 - Sport Data CAMP Credits: 3
  - SM 340 - Sport Ethics Credits: 3
  - SM 350 - Global sport and culture Credits: 3
  - SM 361 - Sport Marketing Credits: 3
  - SM 420 - Risk Management and Liability in Sport Credits: 3
  - SM 435 - Sport Event and Facility Management Credits: 3
  - SM 446 - Sport Media Credits: 3
  - SM 460 - Financial Aspects of Sport Credits: 3

Additional requirements:

Please check the catalog description for specific requirements.
The College of Education and Allied Professions seeks to prepare professional personnel for the schools and colleges of the state and region and for other educational and service agencies. It coordinates all teacher education curricula at the university and provides services to individuals, schools, and regional educational and professional agencies. It undertakes continuous evaluation to assure curricula and professional services of high quality and coordinates the screening, selection, and counseling of students pursuing programs of study in the school.

The Bachelor of Science and Bachelor of Science in Education degrees are awarded upon completion of the undergraduate programs offered in the college. The Bachelor of Science degree is awarded in birth-kindergarten, psychology, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education but must fulfill all requirements of an approved teacher education program.

Teacher Education Program

Admission and retention policies in teacher education programs are based on the standards and guidelines of the State of North Carolina and the Council for the Accreditation of Educator Preparation (CEAP). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in teacher education programs. The state and CEAP guidelines require continuous evaluation of students admitted to teacher education programs and states that those found unlikely to succeed as teachers should be withdrawn.

Conceptual Framework for the Professional Education Program

The professional education program at Western Carolina University fulfills its mission by creating and nourishing a community of learners guided by knowledge, values, and experiences. The guiding principles of this community include the belief that the best educational decisions are made after adequate reflection and with careful consideration of
the interests, experiences, and welfare of the persons affected by the decisions; with appreciati
of and respect for diversity; and with the fostering of the responsible use of technology.

**Admission to the Teacher Education Program**

Acceptance and registration in a department do not guarantee admission to the teacher education program in that department. The applicant's fitness for teaching in the chosen area is determined by demonstrated academic ability and other personal characteristics conducive to effective teaching. A student may be considered suitable in one area and unsuitable in another. Students with speech defects that will interfere with successful teaching may be required to take corrective therapy.

Students who plan to receive a degree in education or a license through Western Carolina University must apply for and be officially admitted to a teacher education program. Admission to teacher education requires an application that should be completed during the semester in which the student is enrolled in EDCI 201 (BK 250 for Birth-Kindergarten (BK) majors), which is a prerequisite to all other courses in the professional education sequence that may be taken before being fully admitted to teacher education. Applications are available online by logging into Watermark (formerly Tk20.) See information on Admission to the Teacher Education program at [https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/admission-to-teacher-education.aspx](https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/admission-to-teacher-education.aspx)

**Admission Criteria**

All requirements for admission to teacher education should be met by the end of the semester the student is enrolled in our gateway course EDCI 201 (BK 250 for BK majors). To meet the minimum requirements for admission, students should have met all the following criteria:

1. Completed at least 30 hours (which can also include transfer hours)
2. Earned a C (2.0) or higher grade in EDCI 201 (BK 250 for BK majors), ENGL 101. **NOTE:** Earning a C (2.0) or higher grade in ENGL 202 is required before beginning Internship 1 or student teaching);
3. Earned a minimum cumulative GPA of 2.75; that minimum GPA must be maintained to remain in the program
4. Achieved the minimum required scores on the SAT, ACT or Pre-Professional Skills Test (PPST) Praxis I (Reading, Writing, Mathematics)
5. Subscribe to *Watermark* formerly TK 20
6. Complete the Personality Survey via *Watermark (TK 20)*
7. Complete the Diversity Scale via *Watermark (TK 20)*
8. Complete the Professional Dispositions Contract
9. Submitted the application for Admission to Teacher Education

Applicants already holding non-teacher education degrees and/or seeking a teaching license must meet all the above requirements except they are not required to take the
PPST. Applicants to the B-K program without a teaching license must have had a minimum cumulative GPA of 2.75 at the time of graduation. Applicants with non-teaching degrees from accredited institutions without cumulative GPA of at least 2.75 have two options:

1. The student is eligible to apply for admission to a licensure-only or a second-degree program no sooner than three calendar years after receipt of the baccalaureate degree.
   Or
2. The student is eligible to apply with passing scores on Praxis Core tests and one of the following:
   - A GPA of 3.0 in the major field of study;
   - A GPA of 3.0 on all work completed in the senior year
   - A GPA of 3.0 on a minimum of 15 semester hours of course work (relative to licensure) completed during the preceding five years.

Students must have maintained satisfactory conduct and citizenship records in keeping with the ethics of the teaching profession. A student who is readmitted to the university after dismissal, suspension, or expulsion will not be readmitted to the teacher education program the first term after returning. Applicants with a record of legal offenses may not be eligible for admission to teacher education.

**Continuation in the Teacher Education Program**

The requirements for continuing in the program are as follows

1. A GPA of at least 2.75 on hours attempted
2. Behavior that adheres to the NC code of ethics of the profession and the professional dispositions of the College of Education and Allied Professions
3. Satisfactory participation in the required professional field experience program that is prerequisite to student teaching.

An evaluation of each field experience assignment will become a part of the student's professional record

If a student fails two courses or any one course in the professional education sequence twice, the student is withdrawn from teacher education.

**Clinical and Field Experience for Professional Education**

In addition to the intern/student-teaching requirement, the teacher education program requires field experiences in conjunction with several courses. Students are expected to make their own arrangements for transportation and housing and absorb the costs related to field experiences and internship or student teaching. Each program has different requirements, and students should discuss costs with the program head before applying for admission to the teacher education program. The goal of professional education clinical and field experiences is to help teacher education students learn to teach all of their pupils to achieve at high levels of performance. Although each field experience
requirement has its own specific purpose and placement procedures, the strategies to achieve this goal are stated below:

1. Field experience placements are made so that students can work with qualified educators in successful programs.
2. Field experience placements are made so that students have the opportunity to work with diverse learners. Teacher education students are required to complete one field experience in a diverse setting, as defined by the College of Education and Allied Professions. Students who do not complete one of the early field experience requirements in a diverse setting must be placed in a diverse setting for the internship or student teaching semester.
3. Field experiences placements are made in collaboration with K-12 school personnel.
4. Field experience placements are made to facilitate appropriate supervision of students.
5. Students can sometimes combine early field experience placements to meet multiple course requirements. This is approved for no more than two classes.

Admission to Student Teaching/Internship

Students apply to the director of field experiences early in the semester before the semester in which the student teaching/internship is to be done. These are the requirements for admission to student teaching/internship are:

1. Completion of at least 39 of 42 hours required for Liberal Studies
2. Enrollment in the professional education sequence for at least two semesters
3. Completion of at least ninety hours in a teacher education curriculum
4. A GPA of 2.75 or above, both at the beginning of the term immediately preceding the student teaching/internship term and at the time of enrollment in student teaching/internship
5. Completion of at least two-thirds of the major
6. Completion of all records designated by the director of field experiences
7. Completion of the applicable professional education sequence except for student teaching/internship and the student teaching/internship seminar
8. Completion of an approved SBI background check
9. Completion of student teaching/internship application including recommendation by adviser and department head
10. All other requirements from the school placement as applicable.

Continuation in Student Teaching/Internship

To continue in student teaching/internship, students must maintain satisfactory professional conduct and adhere to the policies and regulations of the school to which they are assigned. When recommended by the director of field experiences and approved by the dean, students failing to perform at a satisfactory level may be removed from
student teaching/internship. Removal from a school placement is considered a failed internship. The Office of Field Experiences is under no obligation to place the student in another setting. Removal from a school placement will result in a grade no higher than a D.

Requirements for Teacher Licensure

To be eligible for an initial or "A" level North Carolina teacher license, a student must meet the following criteria:

1. Complete one of the approved teacher-education programs
2. Achieve a minimum grade of C (2.0) in internship or student teaching
3. Receive a public school recommendation indicating that student teaching was successful
4. Receive a satisfactory recommendation by meeting all competencies on the Certification of Teaching Capacity document completed after internship/student teaching
5. Complete application for licensure and file with the licensure specialist of the College of Education and Allied Professions
6. Achieve the minimum score on the PRAXIS II and/or Pearson tests
7. Receive a professional recommendation for Initial "A" level license by the Licensure Officer of the College of Education and Allied Professions
8. Pay the license fee required by the Department of Public Education for the issuance of a teacher license.

Academically or Intellectually Gifted (AIG) Add-on Licensure (K-12)

Licensure in AIG may be obtained by students holding or eligible for a North Carolina license in any area. The program requires 12 hours and includes SPED 400, SPED 471, SPED 475, and SPED 477. The licensure program is completely online except for a one-week field experience associated with SPED 400 that takes place in the summer.

Additional Information:

Visit the department's website at: https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/academically-or-intellectually-gifted-certification-k-12.aspx for additional information.
Birth-Kindergarten, BS

The total number of hours for program: 120.

The Birth-Kindergarten is a fully online Undergraduate Program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

The major requires 60-69 hours as follows:

30 Hour Core

- BK 250 - Introduction to Birth-Kindergarten Credits: 3
- BK 260 - Foundations of Child Study Credits: 3
- BK 315 - Early Childhood Literacy, Birth-5 Credits: 3
- BK 361 - Environments for Young Children Credits: 3
- BK 363 - Child Development Credits: 3
- BK 462 - Adult-Child Interaction Credits: 3
- BK 470 - Early Childhood Curriculum Credits: 3
- BKSE 345 - Adaptations and Modifications for Young Children with Disabilities Credits: 3
- BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children Credits: 3
- SPED 240 - The Exceptional Child Credits: 3

Professional Education Concentration, BS 40 hours
• BK 312 - Kindergarten Curriculum Credits: 3
• BK 316 - Mathematics and Science Credits: 3
• BK 473 - Internship in Early Childhood Assessment Credits: 3
• BK 482 - Internship I Credits: 6
• BK 483 - Internship Credits: 10, R20
• BK 496 - Internship Seminar Credits: 3, R4
• BKSE 313 - Assessment of the Young Child Credits: 3
• BKSE 412 - Interagency Planning Credits: 3
• BKSE 427 - Teaching Reading to Young Children w/Disabilities Credits: 3
• BKSE 350 - Early Childhood Disorders and Interventions Credits: 3

Professional Education Sequence

• BK 312 - Kindergarten Curriculum Credits: 3
• BK 473 - Internship in Early Childhood Assessment Credits: 3
• BK 482 - Internship I Credits: 6
• BK 483 - Internship Credits: 10, R20
• BK 496 - Internship Seminar Credits: 3, R4

Other Required Courses in the Professional Education Concentration

• BK 316 - Mathematics and Science Credits: 3
• BKSE 313 - Assessment of the Young Child Credits: 3
• BKSE 412 - Interagency Planning Credits: 3
• BKSE 427 - Teaching Reading to Young Children w/Disabilities Credits: 3

Early Childhood Concentration, BS 30 hours

• BK 366 - Infant Development and Curriculum Credits: 3
• BK 414 - Theory and Practice in Early Childhood Administration Credits: 3
• BK 457 - Action Research Credits: 9
• BK 458 - Action Research II Credits: 9
• BKSE 314 - Observational Assessment & Screening of Young Children Credits: 3
• BKSE 411 - Family Collaborative Planning Credits: 3

Guided Electives:

8-17 hours. Suggested courses: Courses approved by the BK program.

Additional Requirements:
Birth-Kindergarten majors must maintain an overall GPA of 2.75 or better and passing grades of "C" in all courses required in the major, regardless of concentration. If a student earns a grade below a "C" in a required course or a student's grade point average in the major falls below a 2.75, the student will not be permitted to enroll in any BK or BKSE course.

All students must complete liberal studies or the equivalent before starting internship courses or action research courses.

**Background Checks:**

All students must submit to a background check for program admission through the system currently used by the college. Any legal incidents after the background check has been done must be reported to the Office of Field Experiences within 72 hours of its occurrence. A second background check is required as part of the application for Internship/Action Research.

All students must complete the Professional Dispositions Contract.

**Admission to the Professional Education Concentration:**

Students seeking admission to the Professional Education Concentration must declare their major and meet the requirements for admission to the Teacher Education Program. Admission to the Professional Education Sequence Students in the Professional Education Concentration must be admitted to the Teacher Education Program and are subject to all of the teach education requirements. BK 250 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

**Continuation in the B-K program:**

The requirements of continuing in the program are as follows:

1. A GPA of at least 2.75 on hours attempted
2. Behavior which adheres to the code of ethics of the profession and the North Carolina BK standards
3. Satisfactory participation in the required professional field experiences, which is prerequisite to internship.

An evaluation of each field experience assignment will become a part of the student's professional record. Students will also be evaluated on candidate dispositions by BK faculty. In addition, students in the Professional Education Concentration must meet the requirements for continuation in the Teacher Education Program.

**Professional Education Concentration Internships:**

Students can take nine hours with Internship I (BK 482) and can take one class in addition to Internship II (BK 483) and Seminar (BK 496).
Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/CEAP/ceap-depts/humanserv/bk/.

**Parks and Recreation Management, BS**

The Parks and Recreation Management Program promotes resourcefulness, independent thinking, the ability to cope with change, and service to society, by preparing leaders in the parks, recreation and leisure services fields. The program prepares professionals to design, plan, promote, and deliver the physical and social components of the leisure service industry. This includes skills in administration, management, research and evaluation, leadership, and instruction. Graduates will be prepared to manage resources, facilities and programs, and to lead and instruct for programs in commercial, public, and non-profit settings. Total number of hours for the program: 120.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 38-41 hours, including all of the following:

- PRM 250 - Foundations of Parks and Recreation Management **Credits: 3**
- PRM 260 - Professional Planning in PRM **Credits: 1**
- PRM 270 - Leadership and Group Dynamics in Recreation **Credits: 3**
- PRM 275 - Diversity and Inclusion in PRM **Credits: 3**
- PRM 361 - Program Planning and Evaluation in PRM **Credits: 4**
- PRM 370 - Capstone Internship Orientation **Credits: 1**
- PRM 383 - Mini-Internship I in PRM **Credits: 1**
- PRM 384 - Mini-Internship II in PRM **Credits: 1**
- PRM 385 - Mini-Internship III in PRM **Credits: 1**
- PRM 430 - Entrepreneurship and Commercial Recreation **Credits: 3**
- PRM 461 - Management and Administration of PRM Services **Credits: 3**
- PRM 483 - Capstone Internship in PRM I **Credits: 3**
- PRM 484 - Capstone Internship in PRM II **Credits: 3**
- PRM 495 - Senior Seminar in Parks and Recreation Management **Credits: 3**

Students should choose one course from the following list:

- HEAL 250 - First Aid and Safety Education **Credits: 2**
- PRM 252 - Wilderness First Aid **Credits: 2**
- PRM 356 - Outdoor First Aid **Credits: 4**
- PRM 357 - Wilderness First Responder **Credits: 4**
Students should choose one course from the following list:

- PRM 254 - Introduction to Outdoor Pursuits Education Credits: 4
- PRM 255 - Active Recreation and Leisure Credits: 3

General Electives

Students should choose 37-40 hours of major and general electives approved by their advisor.

Admission criteria:

All requirements for admission to Parks and Recreation Management (PRM) must be met by the beginning of the semester after students apply for admission. The following are requirements for admission:

1. Declare the major and submit the major declaration essay

   To declare PRM as their major, students should write the major declaration essay. Instructions are in the PRM Student Handbook found on the PRM website. This essay allows faculty to get to know candidates and their interests. It also gives them a feel for students' writing and communication skills and allows faculty to link each student with an advisor best matched with their interests.

2. Advisor Meeting

   Students will be assigned an advisor after completing the essay. In the initial advising meeting, they will work with their advisor to create a degree completion plan.

3. GPA Requirement

   Students must earn and maintain a 2.5 GPA for all courses taken at WCU.

Visit the department's website at: https://www.wcu.edu/learn/departments-schools-colleges/ceap/humanserv/prm/ to view the 8 semester curriculum guide.
Psychology

Office Information:

301 Killian Building
(828) 227-7361

Website: http://www.wcu.edu/learn/departments-schools-colleges/ceap/psydept/

Dr. L. Alvin Malesky, Jr., Department Head

Psychology, BS

Total number of hours for the program: 120.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 39 hours as follows:

- PSY 150 - General Psychology Credits: 3
- PSY 271 - Research Design and Data Analysis I Credits: 3
- PSY 272 - Research Design and Data Analysis II Credits: 3
- PSY 455 - History of Psychology Credits: 3
- PSY 495 - Senior Seminar in Psychology Credits: 3

Psychology electives:

Developmental Processes

Students should select one course (three hours) from the following:

- PSY 320 - Developmental Psychology I: Childhood Credits: 3
- PSY 322 - Developmental Psychology II: Adolescence Credits: 3
- PSY 325 - Developmental Psychology III: Adulthood Credits: 3

Personality and Social Psychology

Students should select one course (three hours) from the following:

- PSY 309 - Social Psychology Credits: 3
• PSY 430 - Personality **Credits**: 3

**Biological Bases of Behavior**

Students should select one course (three hours) from the following:

• PSY 340 - Sensation and Perception **Credits**: 3
• PSY 440 - Biological Psychology **Credits**: 3
• PSY 448 - Human Neuropsychology **Credits**: 3

**Learning and Cognition**

Students should select one course (three hours) from the following:

• PSY 444 - Cognitive Psychology **Credits**: 3
• PSY 446 - Learning **Credits**: 3

**Applications in Psychology**

Students should select one course (three hours) from the following:

• PSY 360 - Psychological Testing **Credits**: 3
• PSY 363 - Behavioral Intervention **Credits**: 3
• PSY 375 - Forensic Psychology **Credits**: 3
• PSY 470 - Abnormal Psychology **Credits**: 3
• PSY 474 - Child Psychopathology **Credits**: 3
• PSY 475 - Introduction to Clinical and Counseling Psychology **Credits**: 3
• PSY 483 - Internship in Psychology **Credits**: 3

**Other Psychology electives**

Students should pick three courses (nine hours) from other Psychology electives.

**Additional Requirements**

To completing the program, psychology majors must also complete a second major, a minor, or another approved program. To complete 120 hours, students may need to take additional General Electives (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department’s website at https://www.wcu.edu/learn/departments-schools-colleges/ceap/psydept/ to view the eight-semester curriculum guide.
Total number of hours for the program: 128.

Admission to the Art Education Program

Students seeking admission to the Art Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Art Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, students must earn a grade of C (2.0) or better in each art course in the major.

Students receiving BFA Degree in Art with a concentration in Art Education will also receive the BSEd Degree in Art Education from the College of Education and Allied Professions. For degree requirements, please see the listing under BFA Art, Concentration in Art Education.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Professional Education Sequence (24 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
• ART 463 - Art Methods for the Middle and High School Credits: 3
• EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar Credits: 3
• ART 491 - Supervised Student Teaching in Art, K-12 Credits: 3

The major further requires 59 hours as follows:

• ART 131 - Introductory Drawing Credits: 3
• ART 132 - Two-Dimensional Design Credits: 3
• ART 136 - Art History Survey I Credits: 3
• ART 137 - Art History Survey II Credits: 3
• ART 142 - Three-Dimensional Design Credits: 3
• ART 367 - History and Philosophy of Art Education Credits: 3
• ART 416 - Contemporary Art Credits: 3
• ART 465 - Art Methods for the Elementary School Credits: 3

Art Studio

Students are required to take 18 hours art studio as follows:

• ART 233 - Introductory Painting Credits: 3
• ART 234 - Introductory Printmaking Credits: 3
• ART 241 - Introductory Sculpture Credits: 3
• ART 251 - Introductory Ceramics Credits: 3
• ART 270 - Communication Design Credits: 3
• ART 372 - Introductory Photography Credits: 3

Art Electives

Students should take the following electives:

• Nine hours art studio electives selected as 300- or 400-level courses in the same studio discipline.
• Three hours art history electives at the junior-senior level.
• Five hours of free electives.

Free Electives
Three hours of general electives from 300-400 level courses (3)

Visit the department's website at https://www.wcu.edu/learn/programs/art-education-bsed/index.asp to view the eight-semester curriculum guide.

**Elementary Education Second Degree Program**

**Admission to the Elementary Education Second Degree Program**

Students seeking admission to the Elementary Education Second Degree Program and initial licensure must already hold a BS or BA degree from an accredited institution. Bachelor's degrees from within the UNC system will waive Liberal Studies requirements. Degrees from out of state institutions will be evaluated on a case by case basis. Students entering the Elementary Education Second Degree program must declare their major and document a 2.75 cumulative GPA at the time of graduation before being admitted. To be admitted, students must meet the requirements for admission to the Teacher Education Program. Students admitted to the second degree program are not required to take the PRAXIS Core exam and will not need to declare a second academic concentration. However, while enrolled in the program, all students must maintain a 2.75 GPA or better to remain in good standing. In addition to courses in the professional education sequence and courses in the major, Second Degree Elementary Education teacher candidates must earn a C or better in the following courses: ENGL 101, ENGL 202. Students whose overall GPA falls below 2.75 will be removed from the program and must improve their GPA and reapply for admission. If a student receives an F in any course in the professional education sequence or major, the student must retake the course when it is offered and earn a grade of C or better. Students who fail any required major course twice are withdrawn from the major. Students who do not successfully complete internship they may be withdrawn from the program and become ineligible for licensure.

**Admission to the Professional Education Sequence in Elementary Education Second Degree Program**

Students in the Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

**Continuation in the Elementary Education Second Degree Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Any dismissal from a field experience or internship will result in a grade lower than a C and will make the teacher candidate ineligible for licensure.

**Elementary Education Second Degree Major Course Requirements**
The major course requirements for Elementary Education Second Degree include as follows:

- ART 363 - Art for Children **Credits:** 1
- MUS 301 - Music for Elementary Classroom Teachers **Credits:** 1
- PE 361 - Physical Education for the Elementary Teacher **Credits:** 1
- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits:** 3
- PSY 320 - Developmental Psychology I: Childhood **Credits:** 3
- PSY 323 - Psychology Applied to Learning and Teaching **Credits:** 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities **Credits:** 3
- EDCI 201 - Teacher Leadership in a Diverse Society **Credits:** 3
- EDEL 311 - Elementary Curriculum **Credits:** 3
- EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades **Credits:** 2
- EDEL 390 - Practicum I **Credits:** 3
- EDEL 415 - Language Arts Methods for Grades K-6 **Credits:** 3
- EDEL 416 - Science Methods for Grade K-6 **Credits:** 3
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits:** 3
- EDEL 418 - Mathematics Methods Grades K-3 **Credits:** 3
- EDEL 419 - Mathematics Methods Grades 3-6 **Credits:** 3
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits:** 3
- EDRD 303 - Children's Literature in the 21st Century **Credits:** 3
- EDRD 420 - K-6 Reading Methods **Credits:** 3
- EDRD 440 - Reading Diagnosis and Instruction for Grades K-6 **Credits:** 3
- ELMG 484 - Supervised Internship I **Credits:** 3
- ELMG 485 - Supervised Internship II **Credits:** 9
- ELMG 495 - Seminar for Student Teachers **Credits:** 3

**Elementary Education, BSEd**

Total number of hours for program: 120-128.

**Admission to the Elementary Education Program.**

Students seeking admission to the Elementary Education Program must declare their major, declare their second academic concentration (SAC), and meet the requirements for admission to the Teacher Education Program. In addition to courses in the professional education sequence and courses in the major, Elementary Education teacher candidates must earn a C or better in the following courses: EDCI 201, ENGL 101, 202 and all courses in major. If a student's overall GPA falls below 2.75 the student will be removed from the program and must improve the GPA and reapply for admission. If a student
receives an F in any course in the professional education sequence or major, the student must retake the course when it is offered and earn a grade C or better. If a student fails any required major course twice, the student is withdrawn from the major. If a student does not successfully complete internship they may be withdrawn from the program and will be ineligible for licensure.

**Admission to the Professional Education Sequence in Elementary Education.**

Students in the Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

**Continuation in the Elementary Education Program.**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Any dismissal from a field experience or internship will result in a grade lower than a C and will make the teacher candidate ineligible for licensure.

All students must complete a total of 120-128 hours depending upon SAC including:

- Liberal Studies (42 hours including three hours of Freshman Seminar)*
- Second Academic Concentration (18 hours)*
- Professional Education Sequence (24 hours)
- Major Courses (47 hours)

*Some SACs can count toward Liberal Studies. Double counting can affect the total number of hours needed to complete degree.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Professional Education Sequence for Elementary Education**

The Professional Education Sequence for Elementary Education requires 24 hours including the following:

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits:** 3
- ELMG 484 - Supervised Internship I **Credits:** 3
- ELMG 485 - Supervised Internship II **Credits:** 9
- ELMG 495 - Seminar for Student Teachers **Credits:** 3
- PSY 323 - Psychology Applied to Learning and Teaching **Credits:** 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities **Credits:** 3
Note: You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to all courses in the above list. (Except for EDCI 201.)

Elementary Education Major Course Requirements

The major course requirements for Elementary Education includes as follows:

- ART 363 - Art for Children **Credits:** 1
- EDEL 311 - Elementary Curriculum **Credits:** 3
- EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades **Credits:** 2
- EDEL 390 - Practicum I **Credits:** 3
- EDEL 415 - Language Arts Methods for Grades K-6 **Credits:** 3
- EDEL 416 - Science Methods for Grade K-6 **Credits:** 3
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits:** 3
- EDEL 428 - Mathematics Methods 1 for Grades K-6 **Credits:** 3
- EDEL 429 - Mathematics Methods 2 for Grades K-6 **Credits:** 3
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits:** 3
- EDRD 303 - Children's Literature in the 21st Century **Credits:** 3
- EDRD 440 - Reading Diagnosis and Instruction for Grades K-6 **Credits:** 3
- EDRD 420 - K-6 Reading Methods **Credits:** 3
- MATH 221 - Number Sense for Teaching **Credits:** 3
- MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits:** 3
- MUS 301 - Music for Elementary Classroom Teachers **Credits:** 1
- PE 361 - Physical Education for the Elementary Teacher **Credits:** 1
- PSY 320 - Developmental Psychology I: Childhood **Credits:** 3

Second Academic Concentration (SAC)

A second academic concentration (SAC) is an 18-hour course of study in an academic discipline required of education students enrolled in a BSEd program in elementary education. The concentration areas available include: art, biology, English, health promotion and wellness, history, mathematics, natural science, psychology, sociology, Spanish and TESOL. Please select one of the following SACs:

1. **Art Hours: 18**

Students must choose either a 2D or 3D concentration

Students should take both of the following:

- ART 131 - Introductory Drawing **Credits:** 3
• ART 137 - Art History Survey II Credits: 3  
The 2D Concentration includes:
• ART 132 - Two-Dimensional Design Credits: 3  
  Plus an additional nine hours chosen from painting, drawing, printmaking, photography or book arts courses.
The 3D Concentration includes:
• ART 142 - Three-Dimensional Design Credits: 3  
  Plus an additional nine hours chosen from ceramics or sculpture courses.

2. English Hours: 18

Literature requirement (three hours). Students should choose one of the following:
• ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
• ENGL 241 - Formalism & American Literature Credits: 3
• ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
Grammar Requirement (three hours) students should choose one of the following:
• ENGL 312 - Grammar for Teachers Credits: 3
• ENGL 319 - Grammar, Language, and Discourse Credits: 3
Methods Requirement (three hours) Students should choose one of the following:
  Note: Elementary Education majors are encouraged to take ENGL. 413
• ENGL 413 - ESL Methods for Content Teachers Credits: 3
• ENGL 416 - Teaching English as a Second Language Credits: 3
Upper-level Literature Requirements (nine hours). Students should choose three of the following:
• ENGL 333 - Introduction to Shakespeare Credits: 3
• ENGL 350 - The Renaissance Credits: 3
• ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
• ENGL 352 - The Journey in Literature Credits: 3
• ENGL 353 - Stories Retold Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
• ENGL 367 - Appalachian Literature Credits: 3
• ENGL 368 - Film Genres Credits: 3, R6
• ENGL 378 - Motion Picture Histories Credits: 3
• ENGL 390 - The Bible as Literature Credits: 3
• ENGL 394 - Film Adaptation Credits: 3, R6
• ENGL 411 - History of the English Language Credits: 3
• ENGL 420 - Chaucer and His Age Credits: 3
• ENGL 421 - Fairy Tale Literature Credits: 3
• ENGL 430 - English Literature of the Renaissance Credits: 3
• ENGL 431 - Shakespeare and His Age Credits: 3
• ENGL 440 - Milton and His Age Credits: 3
• ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
• ENGL 450 - Major Writers Credits: 3, R6
• ENGL 451 - Nineteenth-Century British Writers Credits: 3
• ENGL 463 - Contemporary Literature Credits: 3
• ENGL 464 - Native American Literature Credits: 3
• ENGL 465 - Topics in African American Literature Credits: 3
• ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
• ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
• ENGL 471 - Studies in Poetry Credits: 3
• ENGL 472 - Studies in Fiction Credits: 3
• ENGL 473 - Studies in Drama Credits: 3
• ENGL 475 - Modernism Credits: 3
• ENGL 477 - Literature and Gender Credits: 3
• ENGL 478 - Film Theory Credits: 3
• ENGL 479 - Studies in Literature Credits: 3, R6
• ENGL 480 - Studies in English Credits: 1-3, R6
• ENGL 496 - Seminar in World Literature Credits: 3

3. Health Promotion and Wellness Hours: 18

Required courses: Students should take all of the following:

• HPE 312 - Health Education Pedagogy Credits: 3
• HPE 350 - Current Health Problems Credits: 3
• HPE 358 - Healthy Living Concepts Credits: 3
• HPE 360 - Sexual Health Throughout the Lifespan Credits: 3

Additional courses:
Select six hours (two courses) or eight hours (HPS 212 plus two additional courses) from the following list:

• ENVH 230 - Introduction to Environmental Health Science Credits: 3
• HPE 212 - Foundations of Health and Physical Education Credits: 2
• HPE 255 - Mental and Emotional Health for Teachers and Their Students Credits: 3
• HPE 305 - Adventure-Based Learning Credits: 3
• HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 Credits: 3
• HPE 355 - Fitness Concepts Credits: 3
• HPE 424 - Adapted Movement & Wellness Credits: 3
• HPE 240 - Care and Prevention of Athletic Injuries Credits: 3
• HPE 365 - Physical Activity and Aging Credits: 3
• HPE 375 - Psychological Aspects of Physical Activity Credits: 3
• PSY 426 - Death and Dying Credits: 3
Note: Students who choose to take HPE 212 Foundations of Health and PE will be required to elect an additional course from the list of electives and will result in a concentration of 20 hours instead of 18.

4. History Hours: 18

Required courses:

Students should take one of the following:

- HIST 131 - North American History to 1865 Credits: 3
  or
- HIST 132 - U.S. History Since 1865 Credits: 3

Additional courses: Select 12 hours of junior-senior level history courses.

5. Mathematics Hours: 18

Required courses:

Students should take four or five of the following (see below for possible choices) plus one or two electives:

- MATH 146 - Precalculus Credits: 4
- MATH 170 - Applied Statistics Credits: 3
  or
- MATH 270 - Statistical Methods I Credits: 3
- MATH 311 - Informal Geometry Credits: 3
  And Either
- MATH 140 - Introductory Calculus Credits: 5
  or
- MATH 153 - Calculus I Credits: 4

Students majoring in middle grades education must also complete:

- MATH 221 - Number Sense for Teaching Credits: 3

Elective courses:

Students should select one or two from the following elective course(s) or other course(s) approved by the Head of the Department of Mathematics and Computer Science to complete a minimum of 18 hours.

- MATH 250 - Introduction to Logic and Proof Credits: 3
- MATH 255 - Calculus II Credits: 4
- MATH 300 - Problem Solving Credits: 2
- MATH 301 - History of the Scientific Revolution Credits: 3
- MATH 400 - History of Mathematics Credits: 3

6. Natural Science Hours: 18
Required courses: Students should take all of the following:

- **BIOL 140 - Principles of Biology | Credits: 4**
- **CHEM 132 - Survey of Chemistry | Credits: 4**
- **GEOL 150 - Methods in Geology | Credits: 4**
- **PHYS 130 - Introductory Physics | Credits: 4**

Additional courses: Students should select two hours from any AST, BIOL, CHEM, GEOL, or PHYS course not counted for Liberal Studies.

7. Psychology Hours: 18

Required course: Students should take the following required course:

- **PSY 150 - General Psychology | Credits: 3**

Additional Courses: Students should select any 15 hours of PSY courses.

8. Sociology Hours: 18

Required courses: Students should take the following required course:

- **SOC 103 - Human Society | Credits: 3**

Additional courses: Students should select 15 hours from any 200-level and above sociology course.

9. Spanish Hours: 18

Required courses:

- **SPAN 102 - Experiencing Spanish and the Spanish-Speaking World II | Credits: 3**

  Students should take either of the following options:

- **SPAN 231 - Intermediate Spanish | Credits: 3**

  and

- **SPAN 232 - Intermediate Spanish II | Credits: 3**

  Or

- **SPAN 240 - Accelerated Intermediate Spanish | Credits: 6**

  or equivalent

- **SPAN 301 - Spanish Conversation and Composition | Credits: 3**

- **SPAN 302 - Spanish Conversation and Composition II | Credits: 3**

  Additional courses: Select 3 additional hours from upper level Spanish courses.

10. Teaching English to Speakers of Other Languages (TESOL): 18

Linguistics Requirement
• ENGL 415 - Introduction to Linguistics Credits: 3

**Methods Requirement**

Choose one (three hours) of these two courses. It is recommended that students seeking initial licensure with a concentration in Language Arts (all levels) complete ENGL 416. Students seeking licensure with concentrations in Math, Science and Social Studies (all levels) complete ENGL 413.

• ENGL 413 - ESL Methods for Content Teachers Credits: 3
• ENGL 416 - Teaching English as a Second Language Credits: 3

**Practicum Requirement**

• ENGL 492 - ESL Practicum Credits: 3

**TESOL Electives**

Choose three courses (9 hours) from the following:

• ENGL 312 - Grammar for Teachers Credits: 3
• ENGL 319 - Grammar, Language, and Discourse Credits: 3
• ENGL 325 - Language and Culture Credits: 3
• ENGL 326 - Policies and Politics of ESL Credits: 3

**Health and Physical Education, BSEd**

Total number of hours for the program: 126.

**Admission to the Health and Physical Education Program**

Students seeking admission to the Health and Physical Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

**Admission to the Professional Education Sequence**

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

**Continuation in the Health and Physical Education Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, a grade of C or better is
required in all major classes. A current First Aid Certification is required at the time of graduation. All majors are required to demonstrate a level of professional involvement in physical education, fitness and sport programs or activities. Professional involvement activities in physical education, fitness and sport include a requirement of 50 hours of community service prior to Internship II and may come in a variety of other ways.

**Liberal Studies Hours: 42**

**Liberal Studies Program Requirements**

**Major Requirements (57 hours)**

- HPE 212 - Foundations of Health and Physical Education **Credits:** 2
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits:** 4
- HPE 225 - Applied Kinesiology II **Credits:** 4
- HPE 235 - Motor Behavior **Credits:** 3
- HPE 253 - Sport Education **Credits:** 3
- HPE 255 - Mental and Emotional Health for Teachers and Their Students **Credits:** 3
- HPE 256 - Physical Education Pedagogy **Credits:** 3
- HPE 305 - Adventure-Based Learning **Credits:** 3
- HPE 311 - Evaluation & Assessment in Health & Physical Education **Credits:** 3
- HPE 312 - Health Education Pedagogy **Credits:** 3
- HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 **Credits:** 3
- HPE 343 - Classroom Management for Health & Physical Education **Credits:** 3
- HPE 345 - Children's Movement **Credits:** 3
- HPE 346 - Educational Dance and Gymnastics **Credits:** 2
- HPE 354 - Lifetime Sport & Physical Activity I **Credits:** 2
  or
- HPE 364 - Lifetime Sport & Physical Activity II **Credits:** 2
- HPE 355 - Fitness Concepts **Credits:** 3
- HPE 358 - Healthy Living Concepts **Credits:** 3
- HPE 360 - Sexual Health Throughout the Lifespan **Credits:** 3
- HPE 424 - Adapted Movement & Wellness **Credits:** 3

**Professional Education Sequence (27 hours)**

All Health & Physical Education majors are required to complete 27 hours in the Professional Education Sequence. These courses may be taken only when all criteria for continuation in the Teacher Education Program have been met. The following courses are in the Professional Education Sequence for the Physical Education major:
Inclusive Education, BSEd

Total number of hours for program: 126.

Students who complete this major will be recommended for North Carolina teaching licensure in Exceptional Education: General Curriculum (K-6) and eligible for licensure in Elementary Education (K-6).

Admission to the Inclusive Education Program

Students seeking admission to the Inclusive Education Program must declare their major and meet the requirements for the Teacher Education Program. In addition to courses in the professional education sequence and courses in the major, Inclusive Education teacher candidates must earn a C or better in the following courses: ENGL 101, ENGL 202. If a student's overall GPA falls below 2.75 the student will be removed from the program and must improve the GPA and reapply for admission. Students who receive an F in any course in the professional education sequence or major, the student must retake the course when it is offered and earn a grade C or better. Students who fail any required major course twice are withdrawn from the major. Students who do not successfully complete internship may be withdrawn from the program and become ineligible for licensure.

Admission to the Professional Education Sequence in Inclusive Education

Students in the Professional Education must be admitted to the Teacher Education Program and are subject to all the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Inclusive Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Inclusive education majors are required to maintain a 2.75 in the major and to earn a "C" or better in all courses required in the major. Students who
earn a grade below a "C" in a required course or whose GPA in the major falls below 2.75 will not be permitted to enroll in SPED 312, SPED 423 or SPED 484. Any dismissal from a field experience or internship will result in a grade lower than a C and will make the teacher candidate ineligible for licensure.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The Inclusive education major requires 63* hours as follows:

* MATH 321 and MATH 322 are Liberal Studies courses, three hours of which count toward Liberal Studies and the degree. Three of the six required foreign language hours also count toward Liberal Studies.

- Six hours of foreign language
- EDEL 415 - Language Arts Methods for Grades K-6 **Credits: 3**
- EDEL 416 - Science Methods for Grade K-6 **Credits: 3**
- EDEL 417 - Social Studies Methods for Grades K-6 **Credits: 3**
- EDEL 418 - Mathematics Methods Grades K-3 **Credits: 3**
- EDEL 419 - Mathematics Methods Grades 3-6 **Credits: 3**
- EDEL 446 - Digital Literacy Methods for Grades K-6 **Credits: 3**
- EDRD 303 - Children's Literature in the 21st Century **Credits: 3**
- EDRD 335 - Content Reading for Intermediate Grade Learners **Credits: 3**
- ENGL 416 - Teaching English as a Second Language **Credits: 3**
- * MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching **Credits: 3**
- SPED 240 - The Exceptional Child **Credits: 3**
- SPED 310 - Assessment for Instruction **Credits: 3**
- SPED 312 - Teaching Elementary Students with Learning Problems (K-6) **Credits: 3**
- SPED 401 - Exceptional Learners in the General Curriculum **Credits: 3**
- SPED 407 - Behavioral Issues in the General Curriculum **Credits: 3**
- SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities **Credits: 3**
- SPED 430 - Classroom Leadership **Credits: 3**
- SPED 484 - Inclusive Education Internship I **Credits: 1-3 (three hours required)**

**The Professional Education Sequence (21 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
• SPED 490 - Inclusive Education Internship II Credits: 9
• SPED 495 - Inclusive Education Seminar Credits: 3

Additional Requirements:

Visit the program's website at http://inclusiveed.wcu.edu to view the eight-semester curriculum guide.

Mathematics, BSEd

Total number of hours for the Program: 120.

Admissions to the Mathematics Education Program

Students seeking admission to the Mathematics Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Mathematics Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition to these requirements, a student enrolled in the BSEd in Mathematics must also be enrolled in the BS Mathematics with the Mathematics Education Concentration. If hours taken in the major also meet Liberal Studies requirements more hours may need to be completed to meet the 120 total hours needed.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 44 hours as follows. Only grades of C (2.0) or higher in required mathematics core courses will satisfy requirements in the major. The following courses are required:
Mathematics Core (24 hours)

- MATH 153 - Calculus I Credits: 4
- MATH 250 - Introduction to Logic and Proof Credits: 3
- MATH 255 - Calculus II Credits: 4
- MATH 256 - Calculus III Credits: 4
- MATH 270 - Statistical Methods I Credits: 3
- MATH 310 - Discrete Structures Credits: 3
- MATH 362 - Linear Algebra I Credits: 3

Additional Required Course (2 hours)

- MATH 479 - Capstone: Seminar Credits: 2

Other required courses (15 hours)

- MATH 200 - Introduction to Mathematical Problem Solving Credits: 1
- MATH 300 - Problem Solving Credits: 2
- MATH 340 - Introduction to Scientific Computing Credits: 3
- MATH 361 - Abstract Algebra I Credits: 3
- MATH 400 - History of Mathematics Credits: 3
- MATH 411 - Foundations in Geometry Credits: 3

Electives-Math electives (3 hours) selected from:

- MATH 320 - Ordinary Differential Equations Credits: 3
- MATH 370 - Probability and Statistics I Credits: 3
- MATH 375 - Statistical Methods II Credits: 3
- MATH 412 - Modern Geometries Credits: 3
- MATH 422 - Real Analysis I Credits: 3
- MATH 423 - Real Analysis II Credits: 3
- MATH 424 - Complex Variable Theory Credits: 3
- MATH 430 - Mathematical Modeling Credits: 3
- MATH 441 - Introduction to Numerical Analysis Credits: 3
- MATH 450 - Linear Optimization Credits: 3
- MATH 461 - Abstract Algebra II Credits: 3
- MATH 462 - Linear Algebra II Credits: 3
- MATH 470 - Probability and Statistics II Credits: 3
Additional Requirements

To complete the program, 34 hours are required, including the professional education sequence (30 hours—see below) for secondary and special subject teaching and four hours of general electives. To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Professional Education Sequence (30 hours)

- **EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3**
- **PSY 323 - Psychology Applied to Learning and Teaching Credits: 3**
- **SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3**
- **MATH 414 - Introduction to Secondary Mathematics Teaching Methods Credits: 3**
- **MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits: 3**
- **EDSE 484 - Supervised Internship I Credits: 1-3**
- **EDSE 485 - Internship II Credits: 6**
- **EDSE 495 - Seminar Credits: 3**
- **MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits: 3**

General Electives - (4 hours)

Visit the department's website at https://www.wcu.edu/learn/programs/mathematics-education/ to view the eight-semester curriculum guide.

Middle Grades Education, BSEd

Total number of hours for program: 125

(This number depends on the concentrations selected as well as the hours taken in the major that also count for Liberal Studies).

Admission to the Middle Grades Education Program

Students seeking admission to the Middle Grades Education Program must declare their major, declare their academic concentrations and meet the requirements for admission to the Teacher Education Program. In addition to these requirements, Middle Grades education majors must earn a grade of C or better in all required courses (including SAC courses). This C or better requirement includes EDCI 201, ENGL 101, 202 and MATH 321. Students who score below a C twice on any course in the professional education sequence or within the major are withdrawn from teacher education. Students whose overall GPA falls below 2.75 will be removed from the program and must improve their GPA to reapply for admission. Students who receive an F in any course in the
professional education sequence or major must retake the course when it is offered and earn a grade of C or better. Students who do not successfully complete internship may be withdrawn from the program and become ineligible for licensure.

**Admission to the Professional Education Sequence in Middle Grades Education**

Students in the Professional Education must be admitted to the Teacher Education Program and are subject the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

**Continuation in the Middle Grades Education Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. Any dismissal from a field experience or internship will automatically result in a grade lower than a C and will make the teacher candidate ineligible for licensure.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major in Middle Grades Education BSED Degree**

- Liberal Studies (42 hours including 3 hours of Freshman Seminar)
- Middle Grades Concentration: Must complete an academic concentrations consisting of 23 to 27 hours from the four concentrations of Mathematics, Science, Social Studies and Language Arts

**Middle Grades Major Course Requirements**

The major requires 39 hours in core courses as follows:

- EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students **Credits: 3**
- EDMG 409 - Internship Seminar for Middle School Teaching **Credits: 2**
- EDMG 410 - The Middle School Child and Curriculum **Credits: 3**
- EDMG 411 - Differentiated Instruction in Middle Grades Education **Credits: 3**
- EDMG 412 - Internship Seminar for Differentiated Instruction **Credits: 2**
- EDMG 415 - Language Arts Methods Grades 6-9 **Credits: 3**
- EDMG 416 - Science Methods Grades 6-9 **Credits: 3**
- EDMG 417 - Social Studies Methods Grades 6-9 **Credits: 3**
- EDMG 419 - Mathematics Methods Grades 6-9 **Credits: 3**
- EDMG 420 - Responsive Assessment & Classroom Management **Credits: 3**
- EDMG 421 - Internship Seminar for Responsive Teaching **Credits: 2**
Concentrations

Students should take one concentration from those listed below.

Language Arts Concentration: 24 hours

Students with an academic concentration in Middle Grades Language Arts must take all the following courses:

- EDMG 422 - Inclusive Education: Co-Teaching in the Middle School Credits: 3
- EDMG 466 - Digital Literacy Methods Grades 6-9 Credits: 3
- EDRD 335 - Content Reading for Intermediate Grade Learners Credits: 3

They should also select one from the following:

- EDRD 467 - Adolescent Literature Credits: 3
- ENGL 202 - Writing and Critical Inquiry Credits: 3
- ENGL 312 - Grammar for Teachers Credits: 3
- ENGL 319 - Grammar, Language, and Discourse Credits: 3
- ENGL 416 - Teaching English as a Second Language Credits: 3
- ENGL 333 - Introduction to Shakespeare Credits: 3
- ENGL 350 - The Renaissance Credits: 3
- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits: 3
- ENGL 352 - The Journey in Literature Credits: 3
- ENGL 353 - Stories Retold Credits: 3
- ENGL 366 - Literature and Immigration Credits: 3
- ENGL 367 - Appalachian Literature Credits: 3
- ENGL 368 - Film Genres Credits: 3, R6
- ENGL 378 - Motion Picture Histories Credits: 3
- ENGL 390 - The Bible as Literature Credits: 3
- ENGL 394 - Film Adaptation Credits: 3, R6
- ENGL 411 - History of the English Language Credits: 3
- ENGL 419 - Medieval Literature Credits: 3
- ENGL 420 - Chaucer and His Age Credits: 3
- ENGL 421 - Fairy Tale Literature Credits: 3
- ENGL 430 - English Literature of the Renaissance Credits: 3
- ENGL 440 - Milton and His Age Credits: 3
- ENGL 441 - The Age of Pope, Swift, and Johnson Credits: 3
- ENGL 450 - Major Writers Credits: 3, R6
- ENGL 451 - Nineteenth-Century British Writers Credits: 3
- ENGL 461 - The "Long 19th Century" in American Literature Credits: 3
• ENGL 463 - Contemporary Literature Credits: 3
• ENGL 464 - Native American Literature Credits: 3
• ENGL 469 - Directors/Screenwriters/Stars Credits: 3, R6
• ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits: 3
• ENGL 471 - Studies in Poetry Credits: 3
• ENGL 472 - Studies in Fiction Credits: 3
• ENGL 473 - Studies in Drama Credits: 3
• ENGL 475 - Modernism Credits: 3
• ENGL 476 - The Short Story Credits: 3
• ENGL 477 - Literature and Gender Credits: 3
• ENGL 478 - Film Theory Credits: 3
• ENGL 479 - Studies in Literature Credits: 3, R6
• ENGL 480 - Studies in English Credits: 1-3, R6
• ENGL 496 - Seminar in World Literature Credits: 3
• ENGL 498 - Senior Seminar in English Credits: 3

They should select two from the following:

• ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
• ENGL 241 - Formalism & American Literature Credits: 3

Mathematics Concentration: 23-25 hours

Students with an academic concentration for Middle Grades Math must take the following courses:

• MATH 146 - Precalculus Credits: 4
• MATH 153 - Calculus I Credits: 4
• MATH 170 - Applied Statistics Credits: 3
• MATH 200 - Introduction to Mathematical Problem Solving Credits: 1
• MATH 311 - Informal Geometry Credits: 3
• MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching Credits: 3

They should also select one from the following:

• MATH 250 - Introduction to Logic and Proof Credits: 3
• MATH 255 - Calculus II Credits: 4
• MATH 300 - Problem Solving Credits: 2
• MATH 370 - Probability and Statistics I Credits: 3
• MATH 400 - History of Mathematics Credits: 3
- MATH 411 - Foundations in Geometry **Credits:** 3

**Science Concentration: 26 hours**

Students with an academic concentration for Middle Grade Science must take the following courses:

- AST 103 - The Solar System **Credits:** 3
- BIOL 103 - Environmental Biology **Credits:** 3
- BIOL 140 - Principles of Biology I **Credits:** 4
  *(plus lab)*
- BIOL 141 - Principles of Biology II **Credits:** 4
- CHEM 132 - Survey of Chemistry I **Credits:** 4
  *(plus lab)*
- GEOL 150 - Methods in Geology **Credits:** 4
  *(plus lab)*
- PHYS 130 - Introductory Physics I **Credits:** 4
  *(plus lab)*

**Social Studies Concentration: 24 hours**

Students with an academic concentration for Middle Grade Social Studies must take the following courses:

**US History (9 hours)**

- HIST 341 - North Carolina History **Credits:** 3

They should select one of the following:

- HIST 131 - North American History to 1865 **Credits:** 3
- HIST 132 - U.S. History Since 1865 **Credits:** 3

**South America and Europe (6 hours)**

Students should select six hours from the following:

- GEOG 350 - Economic Geography **Credits:** 3
- HIST 212 - Latin American History I **Credits:** 3
- HIST 213 - Latin American History II **Credits:** 3
- HIST 220 - Ancient Empires: 3000BCE-CE300 **Credits:** 3
- HIST 221 - The Birth of Europe: 312-1517 **Credits:** 3
- HIST 311 - Ancient Greece and Rome **Credits:** 3
• HIST 312 - The Early Middle Ages Credits: 3
• HIST 313 - Medieval Europe Credits: 3
• HIST 314 - Early Modern Europe Credits: 3
• HIST 315 - Renaissance and Reformation Credits: 3

Africa, Asia, and Australia (6 hours)

Students should select six hours from the following:

• HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic Credits: 3
• HIST 302 - India in the Modern World Credits: 3
• HIST 303 - The African Diaspora Credits: 3
• HIST 373 - Modern Asia Credits: 3
• HIST 402 - History of Peace and Conflict in Africa Credits: 3
• HIST 411 - Western Imperialism, 1500 to the Present Credits: 3

World History (3 hours)

Students should select three hours from the following:

• ANTH 361 - World Prehistory Credits: 3
• ANTH 363 - Human Origins Credits: 3
• ANTH 431 - North American Prehistory Credits: 3
• HIST 107 - World Cultures in Historical Perspective Credits: 3
• HIST 317 - History of Twentieth-Century International Relations Credits: 3

Professional Education Sequence (24 hours):

• EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
• ELMG 484 - Supervised Internship I Credits: 3
• ELMG 485 - Supervised Internship II Credits: 9
• ELMG 495 - Seminar for Student Teachers Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3

Additional requirements:

No course in program requirements or middle-grades area of licensure with a grade lower than C will be accepted for graduation. No course with prefix of: EDMG, ELMG, EDRD, or with a grade lower than a C will be accepted for graduation.
Visit the program's website at http://middlegrades.wcu.edu to view the eight-semester curriculum guide.

**Music Education, BSEd**

Total number of hours for the program: 128.

Students receiving the BM. degree in Music with a concentration in Choral/General or Instrumental Music Education will also receive the BSEd degree in Music Education from the College of Education and Allied Professionals. For degree requirements, please see the listing under BM Music, Concentrations in Music Education.

**Science Education (Concentration in Biology), BSEd**

Total number of hours for the program: 128.

(Nine credit hours for the major can be also counted toward the Liberal Studies requirement.)

**Admission to the Science Education Program**

Students seeking admission to the Science Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

**Admission to the Professional Education Sequence**

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

**Continuation in the Science Education Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Professional Education Sequence (23 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits:** 3
- PSY 323 - Psychology Applied to Learning and Teaching **Credits:** 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities **Credits:** 3
• EDSE 483 - Secondary/Special Subject Area Internship I Credits: 2-3
• SCI 491 - Supervised Student Teaching in the Sciences, 9-12 Credits: 3
• EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar Credits: 3

Science and Math Requirements for Biology Concentration (65 hours)

The concentration requires 65 hours as follows:

• SCI 150 - Introduction to Secondary Science Education Credits: 1
• SCI 301 - Nature & Science Credits: 3
• SCI 422 - Principles and Methods of Science Education Credits: 3
• MATH 146 - Precalculus Credits: 4
• MATH 153 - Calculus I Credits: 4
• BIOL 140 - Principles of Biology I Credits: 4
• BIOL 141 - Principles of Biology II Credits: 4
• CHEM 139 - General Chemistry I Credits: 4
• CHEM 140 - General Chemistry II Credits: 4
• GEOL 150 - Methods in Geology Credits: 4
• GEOL 155 - Historical Geology Credits: 4
• PHYS 130 - Introductory Physics I Credits: 4
• PHYS 131 - Introductory Physics II Credits: 4
• BIOL 240 - Introduction to Genetics Credits: 4
• BIOL 241 - Introduction to Ecology and Evolution Credits: 4
• BIOL 306 - Evolutionary Biology Credits: 3
• Approved upper-level science electives (4)

Capstone (3 hours)

• BIOL 480 - Research in Biology Credits: 1-3, R6

Additional Requirements

To complete 120 hours, students should take 7-16 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Science Education (Concentration in Chemistry), BSEd

Total number of hours for the program: 120.

(Nine credits required for the major may also fulfill requirements in Liberal Studies)
Admission to the Science Education Program

Students seeking admission to the Science Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

Continuation in the Science Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Professional Education Sequence (23 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits:** 3
- PSY 323 - Psychology Applied to Learning and Teaching **Credits:** 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities **Credits:** 3
- EDCI 483 - Secondary/Special Subject Area Internship I **Credits:** 2-3
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits:** 3
- EDSE 490 - Supervised Student Teaching **Credits:** 6
- EDSE 495 - Seminar **Credits:** 3

Science and Math Requirements for Chemistry Concentration (65 hours)

The concentration requires 65 hours including all of the following:

- SCI 150 - Introduction to Secondary Science Education **Credits:** 1
- SCI 301 - Nature & Science **Credits:** 3
- SCI 422 - Principles and Methods of Science Education **Credits:** 3
- MATH 146 - Precalculus **Credits:** 4
- MATH 153 - Calculus I **Credits:** 4
- BIOL 140 - Principles of Biology I **Credits:** 4
- BIOL 141 - Principles of Biology II **Credits:** 4
- CHEM 139 - General Chemistry I **Credits:** 4
- CHEM 140 - General Chemistry II **Credits:** 4
• GEOL 150 - Methods in Geology **Credits:** 4
• GEOL 155 - Historical Geology **Credits:** 4
• PHYS 230 - General Physics I **Credits:** 4
• PHYS 231 - General Physics II **Credits:** 4 (3 required)
• CHEM 232 - Quantitative Analysis **Credits:** 4
• CHEM 241 - Organic Chemistry I **Credits:** 4
• CHEM 242 - Organic Chemistry II **Credits:** 4
• CHEM 352 - Physical Chemistry: Chemical Thermodynamics **Credits:** 3
• Two approved upper-level science electives

**Capstone (2 hours)**

• CHEM 380 - Research in Chemistry **Credits:** 1-3, R12

**Additional Requirements**

To complete 120 hours, students should take 7-16 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

**Science Education (Concentration in Earth Sciences), BSEd**

Total number of hours for the program: 120.

(Nine credits taken in the major may also fulfill requirements in Liberal Studies)

**Admission to the Science Education Program**

Students seeking admission to the Science Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

**Admission to the Professional Education Sequence**

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

**Continuation in the Science Education Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program.

**Liberal Studies (42 hours)**
Liberal Studies Program Requirements

Professional Education Sequence (23 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society **Credits: 3**
- PSY 323 - Psychology Applied to Learning and Teaching **Credits: 3**
- SPED 339 - Designing Classrooms as Responsive Learning Communities **Credits: 3**
- EDEX 483 - Secondary/Special Subject Area Internship I **Credits: 2-3**
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 **Credits: 3**
- EDEX 490 - Supervised Student Teaching **Credits: 6**
- EDEX 495 - Seminar **Credits: 3**

Science and Math Requirements in Earth and Science Concentration (65 hours)

The concentration requires 65 hours as follows:

- SCI 150 - Introduction to Secondary Science Education **Credits: 1**
- SCI 301 - Nature & Science **Credits: 3**
- SCI 422 - Principles and Methods of Science Education **Credits: 3**
- MATH 146 - Precalculus **Credits: 4**
- MATH 153 - Calculus I **Credits: 4**
  *or*
- MATH 170 - Applied Statistics **Credits: 3**
- BIOL 140 - Principles of Biology I **Credits: 4**
- BIOL 141 - Principles of Biology II **Credits: 4**
- CHEM 139 - General Chemistry I **Credits: 4**
- CHEM 140 - General Chemistry II **Credits: 4**
- GEOL 150 - Methods in Geology **Credits: 4**
- GEOL 155 - Historical Geology **Credits: 4**
- PHYS 130 - Introductory Physics I **Credits: 4**
- PHYS 131 - Introductory Physics II **Credits: 4**
- AST 103 - The Solar System **Credits: 3**
  *or*
- AST 104 - Cosmic Evolution **Credits: 3**
- GEOG 300 - Weather and Climate **Credits: 3**
- GEOL 302 - Geomorphology **Credits: 4**
  *or*
- GEOL 305 - Soils and Hydrology **Credits: 4**
- Approved Geology 200 or higher level electives (3)
- Approved upper-level science electives (2-3)
Capstone (3 hours)

- GEOL 393 - Special Problems in Geology **Credits:** 1-4, R6
  
  or

- GEOL 495 - Senior Seminar in Geology **Credits:** 3

Additional Requirements

To complete 120 hours, students should take 7-16 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/secesped/undergraduate-secondary-education.aspx to view the eight-semester curriculum guide.

Science Education (Concentration in Physics), BSEd

Total number of hours for the program: 128. These hours include the Liberal Studies program, the Professional Education Sequence, the Concentration in Physics, and general electives.

(Nine credits that count for the major may also fulfill requirements in Liberal Studies)

Admission to the Science Education Program

Students seeking admission to the Science Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

Admission to the Professional Education Sequence

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken prior to admission to teacher education.

Continuation in the Science Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Professional Education Sequence (23 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
• EDSE 483 - Secondary/Special Subject Area Internship I Credits: 2-3
• SCI 491 - Supervised Student Teaching in the Sciences, 9-12 Credits: 3
• EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar Credits: 3

Science and Math Requirements for Physics Concentration (65 hours)

The major requires 65 hours as follows:

- SCI 150 - Introduction to Secondary Science Education Credits: 1
- SCI 301 - Nature & Science Credits: 3
- SCI 422 - Principles and Methods of Science Education Credits: 3
- MATH 146 - Precalculus Credits: 4
- MATH 153 - Calculus I Credits: 4
- BIOL 140 - Principles of Biology I Credits: 4
- BIOL 141 - Principles of Biology II Credits: 4
- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
- GEOL 150 - Methods in Geology Credits: 4
- GEOL 155 - Historical Geology Credits: 4
- PHYS 230 - General Physics I Credits: 4
- PHYS 231 - General Physics II Credits: 4
- PHYS 310 - Modern Physics Credits: 3
- PHYS 322 - Optics Credits: 3
- PHYS 325 - Thermodynamics Credits: 3
  or
- CHEM 352 - Physical Chemistry: Chemical Thermodynamics Credits: 3
- MATH 255 - Calculus II Credits: 4
- PHYS 360 - Laboratory Physics Credits: 2

Capstone (3 hours)

- PHYS 380 - Research in Physics Credits: 1-3, R12

Additional Requirements
To complete 120 hours, students should take 7-16 hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 30 hours at the junior-senior level at WCU.

Visit the department's website at: https://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/seespeced/undergraduate-secondary-education.aspx to view the eight-semester curriculum guide.

**Social Sciences, BSEd**

Total number of hours for the program: 128.

**Admission to the Social Sciences Education Program**

Students seeking admission to the Social Sciences Education Program must declare their major and meet the requirements for admission to the Teacher Education Program.

**Admission to the Professional Education Sequence**

Students in Professional Education must be admitted to the Teacher Education Program and are subject to all teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education.

**Continuation in the Social Sciences Education Program**

To continue in the program, students must meet the continuation requirements of the Teacher Education Program. In addition, students must have a 3.0 GPA in both degrees (excluding the Professional Education Sequence and Liberal Studies) to be eligible for the internship, as well as to graduate. No grade lower than a C in courses in either major will count toward the degrees. Students must achieve a C or better in HIST 395 to take HIST 405. Students must complete the two-semester internship for both graduation and licensure.

Students seeking licensure must enroll simultaneously and complete the BSEd and the BS or BA in History.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Professional Education Sequence Core (25 or 27 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
- EDSE 484 - Supervised Internship I Credits: 1-3
- EDSE 485 - Internship II Credits: 6
- EDSE 495 - Seminar Credits: 3
• HIST 405 - Methods for Teaching Social Sciences Credits: 3
• HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3

Major Requirements for Social Science (29 hours)

All Social Science BSEd students pursue a double degree (Social Sciences and History).

I. Modern Foreign Languages: 3 Hours

• MFL 102 - Modern Foreign Language Credits: (3)

II. Methods (8 hours)

• HIST 310 - Teaching World History Credits: 1
• HIST 395 - Building a Democratic Classroom Credits: 3
• HIST 405 - Methods for Teaching Social Sciences Credits: 3
• PSC 406 - Teaching Civics and Economics Credits: 1
  Note: Students must achieve a C or better in HIST 395 to take HIST 405.

III. Social Science Courses (18 hours)

Students should take two of the following (one from the ECON group and one from the GEOG group, below) Students should also take four upper-division PSC electives, as explained under PSC Upper Division Electives:

Choose one from the following:
• ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
• ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
  Choose one from the following:
• GEOG 350 - Economic Geography Credits: 3
• GEOG 440 - Regional Geography Credits: 3, R12
• GEOG 444 - Political Geography Credits: 3

PSC Upper Division Electives (12 hours)

All students must take PSC 327, and must choose nine additional hours in American Politics from the following list. At least three of those hours must be either PSC 301, 308 or 312. Use the following elective breakdown to choose PSC electives:

All students should take the following:
• PSC 327 - State and Local Government **Credits: 3**  
  Choose one course from the following:
• PSC 301 - Congress **Credits: 3**  
• PSC 308 - American Presidency **Credits: 3**  
• PSC 312 - Judicial Process **Credits: 3**  
  Choose two courses from the following:
• PSC 313 - Constitutional Law: Structure and Powers **Credits: 3**  
• PSC 314 - Southern Politics **Credits: 3**  
• PSC 315 - Political Parties, Campaigns and Elections **Credits: 3**  
• PSC 318 - Political Communication **Credits: 3**  
• PSC 322 - Public Administration **Credits: 3**  
• PSC 494 - Special Topics in American Politics **Credits: 3, R6**

**Additional Requirements**

Students must have a 3.0 GPA in both degrees, excluding the Professional Education Sequence and Liberal Studies.

Students must achieve a C or better in HIST 395 to take HIST 405.

Students must complete a two semester internship.

Students seeking licensure must enroll simultaneously and complete the BSEd and the BS or BA in History.

No grade lower than a C in courses in either major will count toward the degrees.

**Coaching, Minor**

The coaching minor provides theoretical and practical knowledge and experiences in preparation for coaching youth, adolescents, and/or adults in sport and physical activity contexts. Principles of coaching, the care and prevention of injury, the psychosocial aspects of sport participation, fitness and health-related training principles, and sport-specific coaching methods provide a foundation for a coaching career or other related opportunities.

**Theoretical Foundations (14 hours)**

Students will need to take the following required courses:

• PE 215 - Strength and Conditioning **Credits: 2**  
• PE 267 - Principles of Athletic Coaching **Credits: 3**  
• HPE 240 - Care and Prevention of Athletic Injuries **Credits: 3**  
• HPE 375 - Psychological Aspects of Physical Activity **Credits: 3**
Coaching Strategies and Techniques (4 hours)

Students should select two courses from the following:

- PE 300 - Coaching Baseball **Credits:** 2
- PE 301 - Coaching Basketball **Credits:** 2
- PE 302 - Coaching Football **Credits:** 2
- PE 303 - Coaching Golf **Credits:** 2
- PE 304 - Coaching Soccer **Credits:** 2
- PE 306 - Coaching Softball **Credits:** 2
- PE 307 - Coaching Tennis **Credits:** 2
- PE 308 - Coaching Track and Field **Credits:** 2
- PE 309 - Coaching Volleyball **Credits:** 2

Leadership, Minor

Total number of hours for the program: 18.

The LEAD Minor is an interdisciplinary minor focused on providing in-depth instruction and participatory learning opportunities for students who wish to further develop their leadership potential and skills. Designed to be complementary to students' intended majors, the minor provides developmental opportunities aimed at enhancing leadership potential in collegiate, local, regional, national, international, and professional settings. The LEAD Minor is rooted in the tenets of the Social Change Model of Leadership.

The LEAD Minor consists of 18 credit hours of coursework. Of those credit hours, nine are required courses and nine may come from approved electives. Within the elective options there are three types of courses: LEAD Core Electives, LEAD Track Electives, and Partner-Program Electives. A maximum of three credit hours can come from the courses designated as LEAD Track Electives. Students from any major may elect to complete the LEAD Minor.

**Required Courses (9 hours required)**

Students must take all three required courses for a total of nine hours.

- LEAD 244 - Principles of Leadership **Credits:** 3
- LEAD 344 - Advanced Leadership Theory **Credits:** 3
- LEAD 444 - Leadership Minor Capstone **Credits:** 3

**Electives (9 hours required)**
Students must take 9 hours of approved electives. There are three categories of approved electives: LEAD Core Electives, LEAD Track Electives, Partner-Program Electives. A maximum of 3 hours can come from within the LEAD Track Electives.

**LEAD Core Electives**

- LEAD 249 - Diversity and Leadership **Credits:** 3
- LEAD 250 - Leadership Lessons Through Film **Credits:** 3
- LEAD 294 - Special Topics in Leadership **Credits:** 1-3, R6
- LEAD 300 - Leadership for Racial Justice **Credits:** 3
- LEAD 301 - Women-Centered Leadership **Credits:** 3
- LEAD 302 - International Perspectives of Leadership **Credits:** 3
- LEAD 343 - Dimensions of Spirituality in Leadership **Credits:** 3
- LEAD 346 - Civic Engagement and Leadership **Credits:** 3
- LEAD 494 - Special Topics in Leadership **Credits:** 1-3, R6

**LEAD Track Electives (maximum of 3 hours)**

- LEAD 140 - Freshman Leadership Initiative I **Credits:** 2
- LEAD 141 - Leadership in the Campus Community I **Credits:** 1, R3
- LEAD 150 - Band of Brothers: Leadership and Masculinity **Credits:** 2
- LEAD 151 - Secrets of Powerful Women **Credits:** 2
- LEAD 152 - Going Green: Leadership & Environmental Responsibility **Credits:** 2
- LEAD 153 - Global Awareness & Citizenship: Leadership from a Global Perspective **Credits:** 2
- LEAD 156 - Cultural Competency & Social Justice **Credits:** 2
- LEAD 180 - Freshman Leadership Initiative II **Credits:** 2
- LEAD 241 - Leadership in the Campus Community II **Credits:** 1
- LEAD 483 - Leadership Minor Internship **Credits:** 1-3

**Partner-Program Electives**

- ENT 195 - Social Entrepreneurship: Creating Innovative Solutions to Social Problems **Credits:** 3
- ENT 301 - Innovation Leadership **Credits:** 3
- HPE 305 - Adventure-Based Learning **Credits:** 3
- PAR 102 - Western Moral Traditions **Credits:** 3
- PRM 270 - Leadership and Group Dynamics in Recreation **Credits:** 3
- PSC 101 - American Government and Politics **Credits:** 3
- PSC 169 - Global Issues **Credits:** 3
- SOC 103 - Human Society **Credits:** 3
- SOC 240 - Social Change **Credits:** 3
SOCW 251 - Social Issues, Policy and Programs **Credits: 3**

**Psychology, Minor**

Total number of hours for the program: 18.

**Minor Requirements**

The minor requires 18 hours, including the following required course:

- PSY 150 - General Psychology **Credits: 3**

**To complete the minor, students should take 15 hours of Psychology electives.**

**Special Education, Minor**

Total number of hours for the program: 18.

**Minor Requirements**

The minor in special education requires 18 hours, including the following:

- SPED 240 - The Exceptional Child **Credits: 3**

**Guided Electives**

Students should select 15 hours selected from the following:

- SPED 241 - Exceptional Learners in the Adapted Curriculum **Credits: 3**
- SPED 310 - Assessment for Instruction **Credits: 3**
- SPED 311 - Positive Behavioral Supports for Students with Severe Disabilities **Credits: 3**
- SPED 315 - Post-Secondary Education for Students with Intellectual Disabilities **Credits: 3**
- SPED 344 - Assistive Technology for Severe Disabilities **Credits: 3**
- SPED 400 - Creative Thinking and Problem-Solving **Credits: 3**
- SPED 401 - Exceptional Learners in the General Curriculum **Credits: 3**
- SPED 407 - Behavioral Issues in the General Curriculum **Credits: 3**
- SPED 414 - Curriculum and Methods for Students in the Adapted Curriculum **Credits: 3**
- SPED 471 - Foundations of Gifted and Creative Education **Credits: 3**
- SPED 475 - Methods and Models of Gifted and Creative Education **Credits: 3**
• SPED 477 - Curriculum Differentiation for Gifted and Creative Learners **Credits:** 3
The primary mission of the College of Engineering and Technology is to prepare students for professional level careers in construction management, engineering and engineering technology. The basis for this education is the integrated Project-based Learning (PBL) approach through all years of the curricula. Faculty are dedicated to providing innovative programs that integrate classroom, laboratory, and workplace experience. Faculty bring a strong commitment to teaching and extensive industry and business experience, while the College's laboratories contain some of the most modern, high tech equipment available at any college or university.

A secondary mission of the College of Engineering and Technology is to serve as a resource to the region by extending the knowledge and expertise of college faculty to assist business and industry and to support economic development. The College's Center for Rapid Product Realization facilitates this engagement. Courses as well as individual students, can become involved in these engagement activities.

**College of Engineering and Technology Computer Requirement.** The College of Engineering and Technology uses Virtual Computing Laboratories for instruction. All students enrolling for courses in the College of Engineering and Technology must have a laptop computer that meets standard university networking and hardware configuration requirements. Due to the complex requirements of engineering and technology-related software, we require laptops with more advanced configurations than those required by the university as a whole. Our laptop specifications may be found on our website at https://cet.wcu.edu.

**Kimmel School of Construction Management**

Office Information:

211 Belk Building  
(828) 227-2201  
Website: https://www.wcu.edu/learn/departments-schools-colleges/cet/about/departments/construction-management.aspx
Construction Management, BS

Total number of hours for the program: 124.

The Bachelor of Science Degree in Construction Management (CM) is designed to provide students with a broad-based knowledge of the construction industry, a solid education, and extensive training in business and management applications. Students can also work with state-of-the-art technology and CM industry-standard software.

The Kimmel School's undergraduate Construction Management program is fully accredited by the American Council for Construction Education (ACCE).

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Liberal Studies Courses

Some Liberal studies courses must be taken for the Construction Management major are the following:

P1: Social Sciences
- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
- C5: Physical and Biological Sciences
- GEOL 310 - Principles of Soils and Hydrology for Construction Managers Credits: 4
- C2: Mathematics
- MATH 146 - Precalculus Credits: 4

Using these courses to meet Liberal Studies requirements bring the total for Liberal Studies courses to 45 credit hours, three hours we consider part of the Construction Management program.

Major Requirements

The major requires 82 hours (the following 79 hours plus to the three hours satisfied by taking the specific Liberal Studies Courses listed above):

- ACCT 251 - Financial Accounting - A User Perspective Credits: 3
- CM 121 - Introduction to Construction Credits: 3
- CM 142 - Construction Plan Reading Credits: 3
• CM 211 - Construction Methods and Materials Credits: 3
• CM 212 - Soils, Foundations, Concrete, and Masonry Credits: 3
• CM 222 - Construction Surveying Layout Credits: 3
• CM 231 - Construction Documents and Codes Credits: 3
• CM 232 - Construction Statics and Strength of Materials Credits: 3
• CM 242 - Estimating I Credits: 3
• CM 296 - Professional Development Seminar Credits: 1
• CM 332 - Construction Site Planning and Equipment Credits: 3
• CM 342 - Estimating II and Bidding Credits: 3
• CM 362 - Construction Planning and Scheduling Credits: 3
• CM 375 - Mechanical and Electrical Construction Credits: 3
• CM 390 - Environmental Issues in Construction Credits: 4
• CM 401 - Construction Temporary Structures Credits: 3
• CM 402 - Construction Financial Management Credits: 3
• CM 421 - Construction Human Factors and Safety Credits: 3
• CM 430 - Construction Legal Aspects Credits: 3
• CM 431 - Construction Project Management Credits: 3
• CM 452 - Construction Capstone Project Credits: 3
• CM 483 - Applied and Engaged Internship in Construction Credits: 2
• LAW 230 - Legal and Ethical Environment of Business Credits: 3
• MATH 170 - Applied Statistics Credits: 3
• MGT 300 - Introduction to Management Credits: 3
• MKT 206 - Introduction to Professional Selling Credits: 3

Option (3 hours)

Students must take either CM 180 or CM 424

• CM 180 - Construction Graphics and Building Information Modeling Credits: 3
• CM 424 - Facilities Management Credits: 3

The required internship (CM 483) is completed during the summer before the junior year
Engineering Sales and Distribution Certificate

The Engineering Sales and Distribution Certificate is available to students who are pursuing the Engineering Technology degree.

Certificate Requirements

An Engineering Sales and Distribution Certificate requires 18 hours to include the following courses:

- ET 362 - Engineering Logistics Credits: 3
- ET 436 - Engineering Economic Analysis Credits: 3
- MKT 201 - Marketing Planning and Strategy Credits: 3
- MKT 206 - Introduction to Professional Selling Credits: 3
- MKT 310 - Consultative Selling Credits: 3
- MKT 409 - Negotiations/Relationship Marketing Credits: 3

Occupational Safety Certificate

Students may elect to include in their programs of study a 14-15 hour sequence in occupational safety. Emphasis is placed on interpretation, application, and administration of the Occupational Safety and Health Act and other regulations to assist students in gaining entry-level expertise that can be applied directly in business and industry.

Certificate Requirements

Students who complete the courses below, with a minimum GPA of 2.0 will be awarded a certificate in occupational safety by the Department of Engineering Technology. The certificate is co-sponsored by the North Carolina Industrial Commission.

Students should take one of the following:
• ENVH 230 - Introduction to Environmental Health Science **Credits: 3**
  
  or
  
  • ENVH 457 - Industrial Hygiene **Credits: 3**
  
  or
  
  • HEAL 120 - Personal and Community Health **Credits: 2**
  
  or
  
  • EMC 240 - Introduction to Emergency Medical Care **Credits: 4**

**Students should take all of the following:**

• ET 335 - Occupational Safety Standards **Credits: 3**

• ET 336 - Environmental Instrumentation **Credits: 3**

• ET 337 - Management of Safety Systems **Credits: 3**
  
  or their equivalents

**Electrical and Computer Engineering Technology, BS**

Total number of hours for the program: 126.

The program emphasizes the application of microcomputers to the solution of industrial problems relating to automation, instrumentation, and control, in systems involving robotics, data communications, networks, and/or automated testing. In all cases, microcomputer hardware and software are used for data acquisition, transfer, and analysis.

**Accreditation**

The Electrical and Computer Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, http://abet.org

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Note:**

The major requires 93 hours, nine of which also meet the Liberal Studies requirements (ENGR 199, MATH 153, and PHYS 130), as follows:

**Major Requirements (70 hours)**

The major requires 70 hours (all of the following classes). Three of these courses also count toward the Liberal Studies requirement:)
Math and Science Requirements (23 hours)

The program requirement of Math and Science courses (23 hours) contains six hours that also count toward the Liberal Studies requirement:

- MATH 146 - Precalculus Credits: 4
- MATH 153 - Calculus I Credits: 4
- MATH 170 - Applied Statistics Credits: 3 or
- MATH 270 - Statistical Methods I Credits: 3
- MATH 255 - Calculus II Credits: 4
- PHYS 130 - Introductory Physics I Credits: 4
- PHYS 131 - Introductory Physics II Credits: 4

Students majoring in ECET must complete the following courses with a C or better: ECET 231, ECET 321, and MATH 153. To enroll the junior and senior level major courses, students must have a cumulative GPA of 2.2 or higher for courses taken to date at Western Carolina University in the ECET major. They are required to maintain that cumulative GPA. To graduate with an ECET major, all students must have a cumulative GPA 2.2 or higher for all courses in the major taken at Western Carolina University.
Electrical Engineering, BSEE

The BSEE degree is offered in Cullowhee. Graduates of the program will have these capabilities:

1. Apply their technical knowledge as practicing professionals or engage in graduate education
2. Work successfully in their chosen career individually and within professional team environments
3. Engage in professional development in their profession by adapting to new technology and career challenges

The BSEE program provides a foundation in mathematics, sciences, and engineering. Additional course work provides depth in various areas of Electrical Engineering including communications, analog/digital electronics, control theory, computers, and design. Students work with outstanding faculty members who bring industry and business expertise to the classroom. The program emphasizes the hands-on application of theoretical and technical concepts through project-based learning (PBL), and students work on real-world assignments with companies across Western North Carolina, and beyond, through our Center for Rapid Product Realization.

Total number of hours for the program: 126

Accreditation

The Electrical Engineering Program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org

Liberal Studies (42 hours)

Liberal Studies Program Requirements

*NOTE:

Four major courses (12 credits) also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, and PHYS 230. Students are strongly advised to use these classes to meet Liberal Studies requirements. They should realize that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Electrical Engineering degree and could result in a tuition surcharge.

Major Requirements
The major requires 96 credit hours, which includes 61 in the Electrical Engineering Core, 32 in the Math/Science Core, and three in the Technical Elective Core. Four courses (12 credit hours) in the major also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 230). In each category below, students must take all the required classes.

**Electrical Engineering**

- EE 200 - Computer Utilization **Credits:** 3
- EE 201 - Network Theory I **Credits:** 3
- EE 202 - Network Theory II **Credits:** 3
- EE 211 - Instrumentation & Networks Laboratory **Credits:** 1
- EE 212 - Logic and Networks Laboratory **Credits:** 1
- EE 221 - Logic Systems Design I **Credits:** 3
- EE 311 - Systems and Electronics Laboratory **Credits:** 1
- EE 312 - Electronic Devices Laboratory **Credits:** 1
- EE 321 - Electromagnetic Fields **Credits:** 3
- EE 322 - Electromagnetic Waves **Credits:** 3
- EE 331 - Fundamentals of Electronics and Semiconductors **Credits:** 3
- EE 332 - Electronics **Credits:** 3
- EE 351 - Systems Analysis I **Credits:** 3
- EE 411 - Analog Communication Systems **Credits:** 3
- EE 413 - Digital Communication Systems **Credits:** 3
- EE 421 - Digital Systems Design **Credits:** 3
- EE 424 - Digital Signal Processing **Credits:** 3
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits:** 3
- ENGR 200 - Engineering Practices and Principles II **Credits:** 3
- ENGR 350 - Engineering Practices and Principles III **Credits:** 3
- ENGR 400 - Engineering Capstone I **Credits:** 3
- ENGR 402 - System Dynamics and Control **Credits:** 3
- ENGR 450 - Engineering Capstone II **Credits:** 3

**Mathematics/Science**

- CHEM 139 - General Chemistry I **Credits:** 4
- MATH 153 - Calculus I **Credits:** 4
- MATH 255 - Calculus II **Credits:** 4
- MATH 256 - Calculus III **Credits:** 4
- MATH 320 - Ordinary Differential Equations **Credits:** 3
- MATH 370 - Probability and Statistics I **Credits:** 3
- PHYS 230 - General Physics I **Credits:** 4
- PHYS 231 - General Physics II **Credits:** 4
Technical Elective

Any three-credit-hour 400-level EE course that is not required in the Electrical Engineering Core can count as a Technical elective. PHYS 322, PHYS 325, or any three-credit-hour 400-level PHYS course can also count as a Technical elective.

Additional Requirements

To graduate with a BS Electrical Engineering degree, all students must have a cumulative GPA of 2.0 or higher for all courses in the major taken at Western Carolina University and must complete the following courses with a C or better: MATH 153, MATH 255, ENGL 101 and 202, CHEM 139, PHYS 230, EE 201, 202, 211, 221, 311, 312, 321, 322, 331, 351.

Additional Information

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cet/undergrad-programs/electrical-engineering.aspx to view the eight-semester curriculum guide.

Engineering (Mechanical, Manufacturing and Electrical Power Concentrations), BSE

The BSE degree is a general engineering degree program with three concentrations (Mechanical, Manufacturing, and Electrical Power). Courses in the degree program are offered in Cullowhee and Biltmore Park. Graduates of the BSE program will have the following abilities:

1. Apply their technical knowledge as practicing professionals or engage in graduate education.
2. To work successfully in their chosen career individually and within a professional team environment.
3. To engage in professional development in their profession by adapting to new technology and career challenges.

The BSE program provides a foundation in mathematics, sciences, and engineering, augmented with engineering concentrations. The Mechanical concentration focuses on mechanics, 3D visualization and simulation, analysis of static and dynamic systems, energy, and machine design. The Electrical Power concentration focuses on electric power systems, power electronics, smart grid design, renewable and sustainable energy, and electric machines and drives, and it emphasizes fundamental coursework in electrical and mechanical engineering. The Manufacturing concentration focuses on 3D visualization, manufacturing processes, computer aided design (CAD) and
manufacturing, automated manufacturing systems, and advanced manufacturing. Students work with outstanding faculty members who bring industry and business expertise to the classroom. The program emphasizes the hands-on application of theoretical and technical concepts through project-based learning (PBL), and students work on real-world assignments with companies across Western North Carolina, and beyond, through our Center for Rapid Product Realization.

Total number of credits for the program: 126

**Liberal Studies (42 credit hours)**

**Note:** Four major courses (12 credits) also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, PHYS 230. Students are strongly advised to use these classes to meet Liberal Studies requirements. They should realize that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Engineering degree. See Liberal Studies Program Requirements for a list of Liberal Studies courses.

**Major Requirements**

Students who declare the Engineering major will be admitted to the program if they place into Calculus I (MATH 153) or above. To continue in the major, students must maintain a minimum GPA of 2.2. Exceptions will be considered by the school on a case-by-case basis.

The major requires 96 credits, 12 of which also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 230), 31 credits from the Engineering Core, 36 credits from the Mathematics and Science Core, and three credits from Technical Electives. Students must also select a 26-credit hour concentration (either Mechanical, Manufacturing or Electrical Power).

**Engineering Core (31 credits)**

The following list (31 credits of Engineering core courses) are required for all concentrations:

- EE 200 - Computer Utilization **Credits:** 3
- ENGR 132 - Engineering Graphics **Credits:** 3
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits:** 3
- ENGR 200 - Engineering Practices and Principles II **Credits:** 3
- ENGR 201 - Engineering Mechanics: Statics **Credits:** 3
- ENGR 350 - Engineering Practices and Principles III **Credits:** 3
- ENGR 400 - Engineering Capstone I **Credits:** 3
- ENGR 402 - System Dynamics and Control **Credits:** 3
- ENGR 450 - Engineering Capstone II **Credits:** 3
- ME 301 - Engineering Mechanics: Dynamics **Credits:** 3
- ME 211 - Mechanical Engineering Lab I **Credits:** 1

**Mathematics and Science Core (36 credits)**

- CHEM 139 - General Chemistry I **Credits:** 4
- MATH 153 - Calculus I **Credits:** 4
- MATH 255 - Calculus II **Credits:** 4
- MATH 256 - Calculus III **Credits:** 4
- MATH 320 - Ordinary Differential Equations **Credits:** 3
- MATH 370 - Probability and Statistics I **Credits:** 3
- PHYS 230 - General Physics I **Credits:** 4
- PHYS 231 - General Physics II **Credits:** 4
- ENGR 211 - Materials Science **Credits:** 3
- ENGR 411 - Engineering Numerical Analysis **Credits:** 3

**Technical Elective (3 credits)**

One course (three credits) of Technical Electives is required. Pick one class from the following list of pre-approved technical electives:

- ENGR 331 - Design for Manufacturing **Credits:** 3
- EE 453 - Smart Grid Design and Analysis **Credits:** 3
- ENGR 332 - Finite Element Analysis **Credits:** 3
- ENGR 333 - Vibration Analysis **Credits:** 3
- ENGR 493 - Special Topics in Engineering **Credits:** 1-3, R6

**Concentrations**

**Mechanical Concentration (26 credits)**

Students in this discipline work in a wide range of fields. As one of the broader areas of engineering, the mechanical concentration will provide students with knowledge of machine design, thermo-fluid systems, and materials. Graduates work in a wide variety of sectors including automotive, aerospace, medical, construction, government, consulting, manufacturing, and management.

- ME 302 - Design of Machine Elements I **Credits:** 3
- ME 311 - Mechanical Engineering Lab II **Credits:** 1
- ME 312 - Mechanical Engineering Lab III **Credits:** 1
- ME 321 - Fluid Dynamics **Credits:** 3
- ME 332 - Heat Transfer: Analysis and Applications **Credits:** 3
- ME 401 - Design of Machine Elements II Credits: 3
- ENGR 202 - Mechanics of Materials Credits: 3
- ENGR 231 - 3-D Solid Modeling Credits: 3
- ENGR 315 - Electrical Engineering Fundamentals Credits: 3
- ENGR 353 - Thermodynamics Credits: 3

**Electrical Power Concentration (26 credits)**

The role of electrical power is expanding as we move towards renewable energy sources. This concentration prepares students to design and maintain systems that include electric vehicles, the power grid, and advanced electronics.

- EE 201 - Network Theory I Credits: 3
- EE 202 - Network Theory II Credits: 3
- EE 211 - Instrumentation & Networks Laboratory Credits: 1
- EE 212 - Logic and Networks Laboratory Credits: 1
- EE 221 - Logic Systems Design I Credits: 3
- EE 311 - Systems and Electronics Laboratory Credits: 1
- EE 331 - Fundamentals of Electronics and Semiconductors Credits: 3
- EE 451 - Electric Power Systems Credits: 3
- EE 452 - Electric Machines and Drives Credits: 3
- EE 471 - Power Electronics: Design and Analysis Credits: 3
- EE 472 - Advanced Power Electronics and Drives: Design and Analysis Credits: 2

**Manufacturing Concentration (26 credits)**

Students in this concentration are prepared to work in manufacturing and design environments. Employment opportunities in this sector are plentiful and wages are competitive. Graduates typically create and manage world class products with high quality and low cost.

- MFE 311 - Manufacturing Engineering Lab I Credits: 1
- MFE 312 - Manufacturing Engineering Lab II Credits: 1
- MFE 324 - Computer Aided Design and Manufacturing Credits: 3
- MFE 327 - Quality Engineering Credits: 3
- MFE 365 - Design of Manufacturing Systems Credits: 3
- MFE 375 - Automated Manufacturing Systems Credits: 3
- MFE 424 - Advanced Manufacturing Processes I Credits: 3
- MFE 427 - Advanced Manufacturing Processes II Credits: 3
- ENGR 231 - 3-D Solid Modeling Credits: 3
- ENGR 315 - Electrical Engineering Fundamentals Credits: 3
Additional Requirements

To graduate with a BS Engineering degree, all students must have a cumulative GPA of 2.2 or higher for all courses in the major.

Additional Information

Visit the School's website to view the eight-semester curricular guide.

Engineering Technology (Applied Systems Technology), BS

The Engineering Technology (Applied Systems Technology) program is distinguished by its focus on applying theoretical principles to solve practical problems. Unlike traditional engineering programs, Engineering Technology students have more applied hands-on coursework based on current technologies. Students in this program learn about many topics related to product design and manufacturing. Topics include robotics and automation, materials, manufacturing processes, computer aided design (CAD), quality control and management. Graduates of this program are employed in a wide variety of companies across the country.

Total number of credits for the program: 125

Accreditation

The Engineering Technology - Applied Systems Technology program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Note:

Four courses (12 credits) required for the concentration also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, and PHYS 230. Students are strongly advised to use these classes to meet Liberal Studies requirements. They should realize that if these courses are not taken to meet Liberal Studies requirements, they will still need to be completed for the BS Engineering degree and could result in a tuition surcharge. See Liberal Studies Program Requirements for a list of Liberal Studies courses.

Major Requirements

The major requires 95 credits, 12 of which (ENGR 199, MATH 153, CHEM 139, and PHYS 130) also meet the Liberal Studies requirements:
Applied Systems Technology (AST) Concentration Requirements

- ECET 301 - Electrical Systems **Credits:** 3
- ENGL 402 - Technical Writing **Credits:** 3
- ENGR 132 - Engineering Graphics **Credits:** 3
- ENGR 199 - Introduction to Engineering Practices and Principles I **Credits:** 3
- ENGR 200 - Engineering Practices and Principles II **Credits:** 3
- ENGR 231 - 3-D Solid Modeling **Credits:** 3
- ENGR 350 - Engineering Practices and Principles III **Credits:** 3
- ENGR 352 - Thermodynamics and Heat Transfer **Credits:** 3
- ENGR 400 - Engineering Capstone I **Credits:** 3
- ENGR 450 - Engineering Capstone II **Credits:** 3
- ET 141 - Engineering Materials and Processes **Credits:** 3
- ET 232 - Engineering Statics **Credits:** 3
- ET 310 - Advanced 3D Computer Modeling and Rapid Prototyping **Credits:** 3
- ET 331 - Quality Systems **Credits:** 3
- ET 332 - Strength of Materials **Credits:** 3
- ET 333 - Strength of Materials Laboratory **Credits:** 1
- ET 334 - Lean Six Sigma **Credits:** 3
- ET 349 - Rapid Tooling and Prototyping **Credits:** 3
- ET 351 - Engineering Analysis **Credits:** 3
- ET 420 - Advanced Engineering Materials **Credits:** 3
- ET 425 - Metrology and Reverse Engineering **Credits:** 3
- ET 436 - Engineering Economic Analysis **Credits:** 3
- ET 441 - Power Transmission Systems **Credits:** 3
- ET 472 - Integrated Control Systems **Credits:** 3

**Technical Electives**

Technical Elective Credits (six credit hours). Students can select two of the pre-approved technical electives listed below:

- ECET 211 - Electronic Drafting and Fabrication **Credits:** 3
- EE 200 - Computer Utilization **Credits:** 3
- ET 389 - Cooperative Education **Credits:** 1-3, R9
- ET 493 - Special Topics **Credits:** 1-3, R6
- MATH 255 - Calculus II **Credits:** 4
- MATH 256 - Calculus III **Credits:** 4
- MATH 320 - Ordinary Differential Equations **Credits:** 3
- MATH 370 - Probability and Statistics I **Credits:** 3

**Math and Science Requirements**
• CHEM 139 - General Chemistry | Credits: 4
• MATH 146 - Precalculus | Credits: 4
• MATH 153 - Calculus | Credits: 4
• MATH 270 - Statistical Methods | Credits: 3
• PHYS 130 - Introductory Physics | Credits: 4

Additional Requirements

Students who declare the Engineering Technology major with an Applied Systems Technology concentration will be admitted to the program if they place into Precalculus (MATH 146) or above. To continue in the major, students must maintain a minimum GPA of 2.3. Exceptions will be considered by the school on a case-by-case basis.

To graduate with an ET degree, all students must have a cumulative GPA of 2.3 or higher for all courses in the major taken at Western Carolina University.

The mathematics, sciences, and first-year seminar courses that are required in the major may be used to satisfy Liberal Studies categories C2, C5, and FYS.

Visit the school's website to view the eight-semester curriculum guide.

Engineering Technology (Engineering and Technical Operations Concentration), BS

The Department of Engineering and Technology offers upper level courses for two year college graduates at three off campus sites: Asheville, Hickory (Morganton), and Spindale, North Carolina. Graduates earn a BS degree in Engineering Technology - Concentration in Engineering and Technical Operations. The Engineering Technology (Engineering and Technical Operations Concentration) program is not accredited by ABET, http://www.abet.org. For further information, contact Amber Thompson, Distance Learning Program Coordinator, at 828-227-2517 or email: acthompson@email.wcu.edu

Construction Management, Minor

Total number of hours for the program: 24.

Minor Requirements

The construction management minor is open to non construction management majors. It requires the following 24 hours of courses:

• CM 121 - Introduction to Construction | Credits: 3
• CM 142 - Construction Plan Reading | Credits: 3
• CM 211 - Construction Methods and Materials Credits: 3
• CM 242 - Estimating I Credits: 3
• CM 342 - Estimating II and Bidding Credits: 3
• CM 362 - Construction Planning and Scheduling Credits: 3
• CM 430 - Construction Legal Aspects Credits: 3
• CM 431 - Construction Project Management Credits: 3

Land Development, Minor

Total number of hours for the program: 16.

Minor Requirements

The Land Development minor is open to all majors. It requires the following 16 hours of courses:

• CM 461 - Land Development I Credits: 3
• CM 462 - Land Development II Credits: 3
• CM 463 - Land Development III Credits: 5
The role of the College of Fine and Performing Arts is to implement the University's mission through exploration of a broad range of human culture and knowledge through great experiences in the arts.

The mission of the College is to strengthen and expand the intellectual and cultural horizons of the university and the larger community by providing a creative learning environment in the arts. The College is responsible to the Provost and is organized into the following units: The School of Art and Design, the School of Music, the School of Stage and Screen, and the John W. Bardo Fine and Performing Arts Center's Fine Art Museum, and Performance Halls.

The College of Fine and Performing Arts is the creative showcase for the university. Through its dedication to excellence and the integration of teaching, scholarship, and service by its faculty, the College offers a wide variety of educational and cultural opportunities to the campus and the region. Through design, musical performances, theatre, dance, motion pictures, videos, and the visual arts, the College is a unique and highly visible source of cultural enrichment.

Of primary importance in the College is the teaching/learning process that takes place in classrooms, studios, rehearsal halls, theatres and field locations, venues that engage students, staff, and faculty in a common effort to provide an environment where intellectual challenges, the free exchange of ideas, and high standards of scholarship and creativity prevail to provide great experiences for our various constituencies. The fine arts programs hold national accreditation by the National Association of Schools of Art and Design (NASAD), Council for Interior Design Accreditation (CIDA), National Association of Schools of Theatre (NAST), National Association of Schools of Music (NASM) and the American Association of Museums (AAM - pending).

**Undergraduate Certificate in Arts & Entrepreneurship**

The undergraduate certificate in Arts & Entrepreneurship addresses the principles of arts management through an entrepreneurial lens. This certificate is designed for arts
practitioners seeking to increase their knowledge of contemporary arts management and entrepreneurial practices.

**Core Requirements (9 credits)**

Students should take one of the following:

- ART 439 - Arts & Entrepreneurship **Credits: 3**
- MUS 439 - Arts & Entrepreneurship **Credits: 3**
- THEA 439 - Arts & Entrepreneurship **Credits: 3**
  *Students should take all of the following:*
- ENT 325 - New Venture Creation **Credits: 3**
- FIN 210 - Managing your Money for Financial Success **Credits: 3**

**Intensives (6 credits)**

Students should take no less than six credits, accumulated through repetition of one credit hour courses from the following list:

- ART 450 - Arts & Entrepreneurship Intensive **Credits: 1, R6**
- MUS 450 - Arts & Entrepreneurship Intensive **Credits: 1, R6**
- THEA 450 - Arts & Entrepreneurship Intensive **Credits: 1, R6**

**School of Art and Design**

**Office Information:**

157 Bardo Arts Center  
(828) 227-7210  


Erin Tapley, Department Head

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under "The Honors College" in the catalog or contact The Honors College at (828) 227-7383.

**Art, BA**

Total number of hours for the Program: 120.

To continue in the program, students must earn a grade of C or better in each course in the major.
Liberal Studies (42 hours)

Liberal Studies Program Requirements

Required Major Courses (18 hours)

- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3
- ART 136 - Art History Survey I Credits: 3
- ART 137 - Art History Survey II Credits: 3
- ART 142 - Three-Dimensional Design Credits: 3
- PAR 310 - Philosophy of Art Credits: 3

Additional Art Electives (21 hours)

The major requires 21 additional hours of ART courses, at least 12 hours of which must be at the junior-senior (300-400) level, chosen from the following:

- ART 231 - Life Drawing Credits: 3
- ART 233 - Introductory Painting Credits: 3
- ART 234 - Introductory Printmaking Credits: 3
- ART 241 - Introductory Sculpture Credits: 3
- ART 251 - Introductory Ceramics Credits: 3
- ART 270 - Communication Design Credits: 3
- ART 271 - Interactive Media Credits: 3
- ART 330 - Drawing II Credits: 3, R12
- ART 333 - Painting II Credits: 3, R12
- ART 334 - Printmaking II Credits: 3, R12
- ART 342 - Sculpture II Credits: 3, R12
- ART 351 - Ceramics II Credits: 3, R12
- ART 359 - Introductory Book Arts Credits: 3
- ART 371 - Graphic Design I Credits: 3
- ART 372 - Introductory Photography Credits: 3
- ART 377 - Painting III Credits: 3
- ART 380 - Ceramics III Credits: 3
- ART 381 - Sculpture III Credits: 3
- ART 389 - Cooperative Education in Art Credits: 1 or 3, R15
- ART 402 - Asian Art and Visual Culture Credits: 3
- ART 404 - Greco Roman Art Credits: 3
- ART 405 - History of Photography Credits: 3
- ART 409 - Seventeenth-and Eighteenth-Century Art Credits: 3
- ART 412 - Nineteenth-Century Painting Credits: 3
- ART 414 - American Art **Credits:** 3
- ART 416 - Contemporary Art **Credits:** 3
- ART 417 - Modern Sculpture **Credits:** 3
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits:** 3
- ART 419 - History of Design **Credits:** 3
- ART 433 - Painting IV **Credits:** 3, R12
- ART 434 - Problems in Printmaking **Credits:** 3, R12
- ART 440 - Advanced Drawing **Credits:** 3, R12
- ART 443 - Sculpture IV **Credits:** 3, R12
- ART 451 - Problems in Ceramics **Credits:** 3, R12
- ART 452 - Problems in Sculpture **Credits:** 3, R9
- ART 453 - Problems in Painting **Credits:** 3, R9
- ART 455 - Photography II **Credits:** 3
- ART 459 - Book Arts II **Credits:** 3, R12
- ART 460 - Motion Graphics I **Credits:** 3
- ART 466 - Problems in Book Arts **Credits:** 3, R9
- ART 472 - Photography III **Credits:** 3, R12
- ART 477 - Tilemaking **Credits:** 3, R9
- ART 480 - Experimental Studio **Credits:** 3, R12
- ART 481 - Independent Study in Studio Art **Credits:** 1-6, R12
- ART 493 - Topics in Art **Credits:** 1-4, R12
- ART 494 - Art Honors Studio **Credits:** 3, R6
- ART 495 - Art History Seminar **Credits:** 3, R6

**Modern Foreign Language Requirement (6 hours)**

**Additional Requirements**

BA in Art: Program Requirements Total number of hours for the Program: 120. BA students must complete six credit hours of foreign language; a minor or a second major in a field outside the School of Art and Design, or an approved program; and general electives to fulfill the 120 hours required for the degree. Students must earn a grade of C or better in each course in the major.

**Art, BFA with Art Education Emphasis**

Total number of hours for the Program: 128.

Students must earn a grade of C or better in each course in the major.

**Liberal Studies (42 hours)**
Liberal Studies Program Requirements

Major Requirements

Entrance Requirements

The BFA is a focused pre-professional degree, leading to careers or graduate study in art and design. Students wishing to pursue the BFA must apply for entrance into the program by submitting a portfolio of digital images and a letter of application that describes their goals and interests in the fields of art and design. Students may apply as entering first year students, or in subsequent semesters, but they must pass the BFA Entrance Portfolio Review before completing 75 hours of Art and Design classes. At the time of application into the BFA, they must identify their concentration in one of the three areas: Studio Art, Graphic Design or Art Education.

Digital Portfolio: Students will submit digital images of 8-10 original artworks that successfully incorporate principles and elements of 2D and 3D art and design. These examples should provide evidence of competency with tool usage, measuring, material handling, and presentation. Within this portfolio, students should include 3-5 analytical drawings demonstrating basic knowledge of perspective and proportion. This group of drawings should include some drawings made from direct observation. In addition the portfolio should include some work that evidences personal ideas and concept development. Detailed guidelines for portfolio preparation and submission are available at the School of Art & Design.

Required Major Courses (21 hours)

- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3
- ART 136 - Art History Survey I Credits: 3
- ART 137 - Art History Survey II Credits: 3
- ART 142 - Three-Dimensional Design Credits: 3
- ART 416 - Contemporary Art Credits: 3
- ART 465 - Art Methods for the Elementary School Credits: 3

Professional Education Sequence (26 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
- PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
- ART 463 - Art Methods for the Middle and High School Credits: 3
- EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar **Credits:** 3
• ART 491 - Supervised Student Teaching in Art, K-12 **Credits:** 3
• EDSE 483 - Secondary/Special Subject Area Internship I **Credits:** 2-3

**Exploratory Art Electives (27 hours)**

Students should take nine courses (27 hours) from the following list. Six hours of exploratory art electives must be taken at the junior-senior (300-400) level.

• ART 231 - Life Drawing **Credits:** 3
• ART 233 - Introductory Painting **Credits:** 3
• ART 234 - Introductory Printmaking **Credits:** 3
• ART 241 - Introductory Sculpture **Credits:** 3
• ART 251 - Introductory Ceramics **Credits:** 3
• ART 270 - Communication Design **Credits:** 3
• ART 271 - Interactive Media **Credits:** 3
• ART 330 - Drawing II **Credits:** 3, R12
• ART 333 - Painting II **Credits:** 3, R12
• ART 334 - Printmaking II **Credits:** 3, R12
• ART 342 - Sculpture II **Credits:** 3, R12
• ART 351 - Ceramics II **Credits:** 3, R12
• ART 359 - Introductory Book Arts **Credits:** 3
• ART 371 - Graphic Design I **Credits:** 3
• ART 372 - Introductory Photography **Credits:** 3
• ART 374 - Typography I **Credits:** 3
• ART 377 - Painting III **Credits:** 3
• ART 380 - Ceramics III **Credits:** 3
• ART 381 - Sculpture III **Credits:** 3
• ART 433 - Painting IV **Credits:** 3, R12
• ART 434 - Problems in Printmaking **Credits:** 3, R12
• ART 440 - Advanced Drawing **Credits:** 3, R12
• ART 443 - Sculpture IV **Credits:** 3, R12
• ART 451 - Problems in Ceramics **Credits:** 3, R12
• ART 452 - Problems in Sculpture **Credits:** 3, R9
• ART 453 - Problems in Painting **Credits:** 3, R9
• ART 455 - Photography II **Credits:** 3
• ART 459 - Book Arts II **Credits:** 3, R12
• ART 460 - Motion Graphics I **Credits:** 3
• ART 466 - Problems in Book Arts **Credits:** 3, R9
• ART 472 - Photography III **Credits:** 3, R12
• ART 477 - Tilemaking **Credits:** 3, R9
• ART 480 - Experimental Studio **Credits:** 3, R12
• ART 481 - Independent Study in Studio Art **Credits:** 1-6, R12
• ART 493 - Topics in Art **Credits:** 1-4, R12
• ART 494 - Art Honors Studio **Credits:** 3, R6

**Upper-level Art History Electives (3 hours)**

Students must take three hours must be taken at the junior-senior level selected from the following:

• ART 379 - Cherokee Arts and Crafts **Credits:** 3
• ART 401 - Art of World Cultures **Credits:** 3
• ART 402 - Asian Art and Visual Culture **Credits:** 3
• ART 404 - Greco Roman Art **Credits:** 3
• ART 405 - History of Photography **Credits:** 3
• ART 406 - Renaissance Art **Credits:** 3
• ART 412 - Nineteenth-Century Painting **Credits:** 3
• ART 414 - American Art **Credits:** 3
• ART 417 - Modern Sculpture **Credits:** 3
• ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture **Credits:** 3
• ART 419 - History of Design **Credits:** 3
• ART 482 - Independent Study in Art History **Credits:** 1-6, R6
• ART 486 - Exhibition Practicum **Credits:** 3

**General Electives (9 hours)**

To complete the degree, students should select nine hours of general electives (from any junior-senior level course).

**Art, BFA with Graphic Design Emphasis**

Total number of hours for the Program: 128.

Students must earn a grade of C or better in each course in the major.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Entrance Requirements**
The BFA is a focused pre-professional degree, leading to careers or graduate study in art and design. Students wishing to pursue the BFA must apply for entrance into the program by submitting a portfolio of digital images and a letter of application that describes their goals and interests in the fields of art and design. Students may apply as entering first year students, or in subsequent semesters, but they must pass the BFA Entrance Portfolio Review before completing 75 hours. At the time of application into the BFA, they must identify their concentration in one of the three areas: Studio Art, Graphic Design or Art Education.

Digital Portfolio:

Students will submit digital images of 8-10 original artworks that successfully incorporate principles and elements of 2D and 3D art and design. These examples should provide evidence of competency with tool usage, measuring, material handling, and presentation. Within this portfolio, students should include 3-5 analytical drawings demonstrating basic knowledge of perspective and proportion. This group of drawings should include some drawings made from direct observation. In addition the portfolio should include some work that evidences personal ideas and concept development. Detailed guidelines for portfolio preparation and submission are available at the School of Art & Design.

Major Requirements

Required Major Courses (21 hours)

- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3
- ART 136 - Art History Survey I Credits: 3
- ART 137 - Art History Survey II Credits: 3
- ART 142 - Three-Dimensional Design Credits: 3
- ART 416 - Contemporary Art Credits: 3
- PAR 310 - Philosophy of Art Credits: 3

Graphic Design Emphasis (30 hours)

- ART 270 - Communication Design Credits: 3
- ART 271 - Interactive Media Credits: 3
- ART 371 - Graphic Design I Credits: 3
- ART 374 - Typography I Credits: 3
- ART 460 - Motion Graphics I Credits: 3
- ART 471 - Graphic Design II Credits: 3
- ART 474 - Portfolio Credits: 3
- ART 475 - Typography II Credits: 3, R6
Exploratory Studio Electives (21 hours)

Students should select 21 hours from studio courses at the 200-level or above:

- ART 231 - Life Drawing Credits: 3
- ART 233 - Introductory Painting Credits: 3
- ART 234 - Introductory Printmaking Credits: 3
- ART 241 - Introductory Sculpture Credits: 3
- ART 251 - Introductory Ceramics Credits: 3
- ART 270 - Communication Design Credits: 3
- ART 271 - Interactive Media Credits: 3
- ART 330 - Drawing II Credits: 3, R12
- ART 333 - Painting II Credits: 3, R12
- ART 334 - Printmaking II Credits: 3, R12
- ART 342 - Sculpture II Credits: 3, R12
- ART 351 - Ceramics II Credits: 3, R12
- ART 359 - Introductory Book Arts Credits: 3
- ART 372 - Introductory Photography Credits: 3
- ART 374 - Typography I Credits: 3
- ART 377 - Painting III Credits: 3
- ART 380 - Ceramics III Credits: 3
- ART 381 - Sculpture III Credits: 3
- ART 433 - Painting IV Credits: 3, R12
- ART 434 - Problems in Printmaking Credits: 3, R12
- ART 440 - Advanced Drawing Credits: 3, R12
- ART 443 - Sculpture IV Credits: 3, R12
- ART 451 - Problems in Ceramics Credits: 3, R12
- ART 452 - Problems in Sculpture Credits: 3, R9
- ART 453 - Problems in Painting Credits: 3, R9
- ART 455 - Photography II Credits: 3
- ART 472 - Photography III Credits: 3, R12
- ART 477 - Tilemaking Credits: 3, R9
- ART 480 - Experimental Studio Credits: 3, R12
- ART 481 - Independent Study in Studio Art Credits: 1-6, R12
- ART 493 - Topics in Art Credits: 1-4, R12
- ART 494 - Art Honors Studio Credits: 3, R6

Upper Level Art History Electives (6 hours)
Students should choose six hours from the junior-senior-level Art History Electives:

- ART 367 - History and Philosophy of Art Education Credits: 3
- ART 379 - Cherokee Arts and Crafts Credits: 3
- ART 401 - Art of World Cultures Credits: 3
- ART 402 - Asian Art and Visual Culture Credits: 3
- ART 404 - Greco Roman Art Credits: 3
- ART 405 - History of Photography Credits: 3
- ART 406 - Renaissance Art Credits: 3
- ART 412 - Nineteenth-Century Painting Credits: 3
- ART 414 - American Art Credits: 3
- ART 417 - Modern Sculpture Credits: 3
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture Credits: 3
- ART 419 - History of Design Credits: 3
- ART 482 - Independent Study in Art History Credits: 1-6, R6
- ART 486 - Exhibition Practicum Credits: 3

General Electives (8 hours)

Students should take eight hours of general electives to complete the program.

Art, BFA with Studio Emphasis

Total number of hours for the program: 128.

Students must earn a grade of C or better in each course in the major.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Entrance Requirements

The BFA is a focused pre-professional degree, leading to careers or graduate study in art and design. Students wishing to pursue the BFA must apply for entrance into the program by submitting a portfolio of digital images and a letter of application that describes their goals and interests in the fields of art and design. Students may apply as entering first year students, or in subsequent semesters, but they must pass the BFA Entrance Portfolio Review before completing 75 hours. At the time of application into the BFA, they must identify their concentration in one of the three areas: Studio Art, Graphic Design or Art Education.
Digital Portfolio:

Students will submit digital images of 8-10 original artworks that successfully incorporate principles and elements of 2D and 3D art and design. These examples should provide evidence of competency with tool usage, measuring, material handling, and presentation. Within this portfolio, students should include three to five analytical drawings demonstrating basic knowledge of perspective and proportion. This group of drawings should include some drawings made from direct observation. In addition the portfolio should include some work that evidences personal ideas and concept development. Detailed guidelines for portfolio preparation and submission are available at the School of Art & Design.

Major Requirements

Required Major Courses (21 hours)

- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3
- ART 136 - Art History Survey I Credits: 3
- ART 137 - Art History Survey II Credits: 3
- ART 142 - Three-Dimensional Design Credits: 3
- ART 416 - Contemporary Art Credits: 3
- PAR 310 - Philosophy of Art Credits: 3

Studio Emphasis (total of 30 hours)

Required Studio Emphasis (3 hours)

- ART 474 - Portfolio Credits: 3

Studio Emphasis electives (27 hours)

Students should choose an additional 27 hours of studio courses at the junior-senior level:

- ART 330 - Drawing II Credits: 3, R12
- ART 333 - Painting II Credits: 3, R12
- ART 334 - Printmaking II Credits: 3, R12
- ART 342 - Sculpture II Credits: 3, R12
- ART 351 - Ceramics II Credits: 3, R12
- ART 359 - Introductory Book Arts Credits: 3
- ART 371 - Graphic Design I Credits: 3
- ART 372 - Introductory Photography Credits: 3
- ART 374 - Typography I Credits: 3
• ART 377 - Painting III **Credits:** 3
• ART 380 - Ceramics III **Credits:** 3
• ART 381 - Sculpture III **Credits:** 3
• ART 389 - Cooperative Education in Art **Credits:** 1 or 3, R15
• ART 433 - Painting IV **Credits:** 3, R12
• ART 434 - Problems in Printmaking **Credits:** 3, R12
• ART 440 - Advanced Drawing **Credits:** 3, R12
• ART 443 - Sculpture IV **Credits:** 3, R12
• ART 451 - Problems in Ceramics **Credits:** 3, R12
• ART 452 - Problems in Sculpture **Credits:** 3, R9
• ART 453 - Problems in Painting **Credits:** 3, R9
• ART 455 - Photography II **Credits:** 3
• ART 459 - Book Arts II **Credits:** 3, R12
• ART 460 - Motion Graphics I **Credits:** 3
• ART 466 - Problems in Book Arts **Credits:** 3, R9
• ART 472 - Photography III **Credits:** 3, R12
• ART 477 - Tilemaking **Credits:** 3, R9
• ART 480 - Experimental Studio **Credits:** 3, R12
• ART 481 - Independent Study in Studio Art **Credits:** 1-6, R12
• ART 493 - Topics in Art **Credits:** 1-4, R12
• ART 494 - Art Honors Studio **Credits:** 3, R6

**Exploratory Studio Electives (21 hours)**

Students should select 21 hours from studio courses offered at the 200 level or above:

• ART 231 - Life Drawing **Credits:** 3
• ART 233 - Introductory Painting **Credits:** 3
• ART 234 - Introductory Printmaking **Credits:** 3
• ART 241 - Introductory Sculpture **Credits:** 3
• ART 251 - Introductory Ceramics **Credits:** 3
• ART 270 - Communication Design **Credits:** 3
• ART 271 - Interactive Media **Credits:** 3
• ART 330 - Drawing II **Credits:** 3, R12
• ART 359 - Introductory Book Arts **Credits:** 3
• ART 372 - Introductory Photography **Credits:** 3
• ART 374 - Typography I **Credits:** 3
• ART 493 - Topics in Art **Credits:** 1-4, R12

**Upper-Level Art History Electives (6 hours)**
Students should select six hours of Art History electives at the junior-senior level:

- ART 367 - History and Philosophy of Art Education Credits: 3
- ART 379 - Cherokee Arts and Crafts Credits: 3
- ART 401 - Art of World Cultures Credits: 3
- ART 402 - Asian Art and Visual Culture Credits: 3
- ART 404 - Greco Roman Art Credits: 3
- ART 405 - History of Photography Credits: 3
- ART 406 - Renaissance Art Credits: 3
- ART 412 - Nineteenth-Century Painting Credits: 3
- ART 414 - American Art Credits: 3
- ART 417 - Modern Sculpture Credits: 3
- ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture Credits: 3
- ART 419 - History of Design Credits: 3
- ART 482 - Independent Study in Art History Credits: 1-6, R6
- ART 486 - Exhibition Practicum Credits: 3

General Electives (8 hours)

To complete the program, students should select eight hours of general electives. To satisfy the university requirement, 32 total hours must be at the 300-400 level.

Interior Design, BS

Total number of hours for program: 128.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 81 hours as follows:

Interior Design Studio (54 hours)

- IDES 250 - Introduction to Interior Design Credits: 3
- IDES 251 - Architectural Drafting and Design Credits: 3
- IDES 252 - Survey of Interior Materials Credits: 3
- IDES 254 - Rapid Visualization Credits: 3
- IDES 255 - Space Planning Credits: 3
- IDES 256 - Perspective Drawing Credits: 3
• IDES 257 - Architectural Construction Process Credits: 3
• IDES 258 - CADD for Interior Design Credits: 3
• IDES 351 - Lighting Design Credits: 3
• IDES 352 - Residential Design I Credits: 3
• IDES 356 - Contract Design I Credits: 3
• IDES 357 - Kitchen and Bath Design I Credits: 3
• IDES 450 - Residential Design II Credits: 3
• IDES 451 - Kitchen and Bath Design II Credits: 3
• IDES 455 - Contract Design II Credits: 3
• IDES 456 - Professional Practice in Interior Design Credits: 3
• IDES 457 - Senior Capstone Credits: 3
• IDES 483 - Internship Credits: 3

Art Foundations (9 hours)

• ART 131 - Introductory Drawing Credits: 3
• ART 132 - Two-Dimensional Design Credits: 3
• ART 142 - Three-Dimensional Design Credits: 3

Design and Art History (9 hours)

• IDES 355 - History of Furniture and Design II Credits: 3
  Select six hours from:
• ART 136 - Art History Survey I Credits: 3
• ART 137 - Art History Survey II Credits: 3
• IDES 465 - Travel Studies in Interior Design Credits: 3, R6

Art electives

Select nine hours from the following: (ART 372 Introduction to Photography suggested)

• ART 233 - Introductory Painting Credits: 3
• ART 234 - Introductory Printmaking Credits: 3
• ART 241 - Introductory Sculpture Credits: 3
• ART 251 - Introductory Ceramics Credits: 3
• ART 270 - Communication Design Credits: 3
• ART 330 - Drawing II Credits: 3, R12
• ART 333 - Painting II Credits: 3, R12
• ART 334 - Printmaking II Credits: 3, R12
• ART 342 - Sculpture II Credits: 3, R12
• ART 351 - Ceramics II Credits: 3, R12
• ART 359 - Introductory Book Arts Credits: 3
• ART 372 - Introductory Photography **Credits:** 3
• ART 459 - Book Arts II **Credits:** 3, R12
• ART 480 - Experimental Studio **Credits:** 3, R12
• IDES 493 - Topics in Interior Design **Credits:** 3, R9

**General Electives**

Students should select five hours of general electives.

**Additional Requirements**

To continue in the program, students must earn a grade of C or better in each IDES course in the major.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/fpa/artdesign/undergraduate-programs/ides.aspx to view the eight-semester curriculum guide.

**School of Music**

**Office Information:**

253 Coulter Building  
(828) 227-7242

Website: https://www.wcu.edu/learn/departments-schools-colleges/fpa/music/

**Dr. Milton R. Laufer, Director, School of Music**


To major or minor in music, students must pass an audition in the principal performance area and take a music aptitude examination. This audition is a separate process from admission to the university. A successful audition does not guarantee admission to the university, nor does admission to the university guarantee admission to the music degree program.

Audition days are scheduled in January and February each year for the following Fall semester, or by individual appointment. Visit the department’s website at http://www.wcu.edu/learn/departments-schools-colleges/FPA/schools-departments-and-centers/music/index.asp for more information on auditions and the various degree program.

**Music Technology, Certificate**
Undergraduate Certificate in Music Technology (16 hours)

Program Description

This program provides music students with an opportunity to develop enhanced competence in music technology, including MIDI, synthesis, digital audio and recording arts. The certificate can be completed concurrently with an undergraduate music degree, or it can be completed in two semesters of post-baccalaureate study. This program is not open to students in the Commercial & Electronic Music or Music Industry Option programs.

Admission Requirements

- Junior standing with a 2.5 GPA.
- Current undergraduate music major or undergraduate degree in music.
- Interview with coordinator of Commercial & Electronic Music program.
- Not available to students in the BM Music, Commercial & Electronic Music Concentration or the BA Music, Music Industry Option.

Course Requirements

Students should select all of the following:

- MUS 181 - Introduction to MIDI/Synthesis Credits: 2
- MUS 182 - Computer Music Notation Credits: 2
- MUS 281 - Introduction to Digital Audio Credits: 2
- MUS 379 - Introduction to Recording Arts Credits: 3
  Students should select nine hours selected from the following electives:
  - MUS 320 - Materials in Popular Music and Jazz Credits: 3
  - MUS 378 - Survey of the Music Industry Credits: 3
  - MUS 383 - Music and Audio in Media Credits: 3
  - MUS 426 - Jazz Arranging and Composing Credits: 3
  - MUS 468 - Composing for Film and Video Credits: 3
  - MUS 483 - Practicum in Music Credits: 1-3, R3

Capstone Course:

- MUS 474 - Entrepreneurship in Music, Senior Project Credits: 1

Music, BA

Total number of hours for program: 120.
To major in music, students must pass an audition in the principal performance area and take a music aptitude examination. Based on the audition and examination, MUS 105, 108, 118 may be required. These courses do not count toward degree requirements. If a student fails MUS 108 or MUS 118 twice, the student shall be ineligible to continue in a music program.

All music majors must pass a public recital in the last semester of principal applied lessons before a degree will be granted. MUS 371, 372, and 373 must (unless exempted) reflect the applied study area; only one will count per semester. All wind and percussion majors in the BA program must include a minimum of one semester in marching band.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 45 hours as follows (three hours of MUS 303 will double count for Liberal Studies P6 but MUS 303 does not satisfy the upper-level perspective requirement for Music majors):

Students should take eight hours of Applied Music courses taken in one of the following combinations:

- Two Semester (each) of MUS 107 (2, R6) and MUS 207 (2, R6)
- Two semesters (each) of MUS 106 (1, R3), 206 (1, R3), 306 (1, R3), 406 (1, R3)
- Any combination of the above as approved by the student's advisor

Students should take all of the following:

- MUS 148 - Piano Class I Credits: 1
- MUS 149 - Piano Class II Credits: 1
- MUS 208 - Aural Skills II: Basic Tonal Functions Credits: 1
- MUS 218 - Music Theory II: Tonal Harmony Credits: 3
- MUS 248 - Piano Class III Credits: 1
- MUS 249 - Piano Class IV Credits: 1
- MUS 303 - The World of Music Credits: 3
- MUS 308 - Aural Skills III: Advanced Tonal Functions Credits: 1
- MUS 309 - Aural Skills IV: Jazz and Commercial Music Credits: 1
- MUS 318 - Music Theory III: Advanced Forms and Chromaticism Credits: 3
- MUS 319 - Music Theory IV: Twentieth Century Styles Credits: 3
- MUS 329 - Fundamentals of Conducting Credits: 2
- MUS 358 - Concert Attendance Credits: 0

*Students should take a total of six semesters of any of the following:*
• MUS 371 - University Chorus **Credits:** 1, R16
• MUS 372 - Concert Choir **Credits:** 1, R16
• MUS 373 - Band **Credits:** 1-2, R16

Six hours of non-performance music electives should be chosen (those choosing the Music Industry Option may substitute MUS 378 and 383.

• MUS 418 - Music History I: Music Before 1750 **Credits:** 3
• MUS 419 - Music History II: Music after 1750 **Credits:** 3
• MUS 474 - Entrepreneurship in Music, Senior Project **Credits:** 1

**Additional Requirements**

To complete the program, 33 hours, including a minimum of seven hours at the junior-senior level and six hours of a foreign language (WLL 101-102 are required). One of the following options or concentrations must be completed:

**Minor, Second Major, or Approved Program Hours plus Electives (33 hours)**

or

**Music Industry Option & Electives (33 hours)**

• BA 133 - Introduction to Business **Credits:** 3
• MUS 378 - Survey of the Music Industry **Credits:** 3
• MUS 489 - Internship **Credits:** 3, R9

(nine hours required in MUS 489)

• MUS 383 - Music and Audio in Media **Credits:** 3

**Music Industry Electives (12 hours)**

Choose 12 hours from the following:

• ACCT 161 - Accounting for the Non-Business Major **Credits:** 3
• CIS 251 - Managing Enterprise Information Systems **Credits:** 3
• LAW 230 - Legal and Ethical Environment of Business **Credits:** 3
• MGT 300 - Introduction to Management **Credits:** 3
• MKT 201 - Marketing Planning and Strategy **Credits:** 3
• MKT 404 - Retailing Management **Credits:** 3
• MUS 475 - Arts Management **Credits:** 3
• MUS 483 - Practicum in Music **Credits:** 1-3, R3

*Students who elect the Music Industry option must also select three hours of electives.*

**Additional Information**

Visit the department's website at http://music.wcu.edu/ to view the eight-semester curriculum guide.
Music, BM

Total hours required for program: 128.

To major in music, students must pass an audition in the principal performance area and take a music aptitude examination. Based on the audition and examination, MUS 105, 108, 118 may be required. These courses do not count toward degree requirements. If a student fails MUS 108 or MUS 118 twice, the student shall be ineligible to continue in a music program.

All music majors must pass a public recital in the last semester of principal applied lessons before a degree will be granted. MUS 371, 372, 373 must (unless exempted) reflect the applied study area; only one will count per semester. For students in the BM program, marching band is required only in the Instrumental Music Education Concentration.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires 38 hours as follows:

- MUS 107 - Applied Major Credits: 2, R6 (Two semesters required)
- MUS 148 - Piano Class I Credits: 1
- MUS 149 - Piano Class II Credits: 1
- MUS 207 - Applied Major Credits: 2, R6 (Two semesters required)
- MUS 208 - Aural Skills II: Basic Tonal Functions Credits: 1
- MUS 218 - Music Theory II: Tonal Harmony Credits: 3
- MUS 248 - Piano Class III Credits: 1
- MUS 249 - Piano Class IV Credits: 1
- MUS 303 - The World of Music Credits: 3
- MUS 308 - Aural Skills III: Advanced Tonal Functions Credits: 1
- MUS 309 - Aural Skills IV: Jazz and Commercial Music Credits: 1
- MUS 318 - Music Theory III: Advanced Forms and Chromaticism Credits: 3
- MUS 319 - Music Theory IV: Twentieth Century Styles Credits: 3
- MUS 329 - Fundamentals of Conducting Credits: 2
- MUS 358 - Concert Attendance Credits: 0 (Six semesters required)
- MUS 418 - Music History I: Music Before 1750 Credits: 3
- MUS 419 - Music History II: Music after 1750 Credits: 3
Students should take a total of six semesters of any of the following:

- MUS 371 - University Chorus Credits: 1, R16
- MUS 372 - Concert Choir Credits: 1, R16
- MUS 373 - Band Credits: 1-2, R16

Concentrations

Music Education

Students receiving the BM degree in Music with a concentration in Choral/General or Instrumental Music Education will also receive the BSEd degree in Music Education from the College of Education and Allied Professions. Both the Choral/General and the instrumental concentrations require completion of the Professional Education Sequence (listed below the music education concentrations). Music Education students must earn a C or better in the Professional Education Sequence (listed below) and in MUS 323, 324, 329 and either 327/428 or 326/429 (whichever is required). A minimum GPA of 2.75 is required to maintain active standing in Teacher Education and for graduation with the BM degree.

Admission to the Professional Education Sequence

During the sophomore year, Music Education students must apply for admission to the Teacher Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional education sequence that may be taken before admission to teacher education. To continue in the program, students must meet the continuation requirements of the Teacher Education Program. A minimum GPA of 2.75 is required for admission.

Choral/General Music Concentration (24 hours)

- MUS 168 - String Class Credits: 1
- MUS 258 - Diction for Singers I Credits: 1
- MUS 259 - Diction for Singers II Credits: 2
- MUS 283 - Music Technology Methods Credits: 1
- MUS 307 - Applied Major Credits: 2, R6 (two semesters required)
- MUS 323 - Music in the Elementary School Credits: 2
- MUS 324 - Music in the Middle School Credits: 2
- MUS 428 - Choral Conducting Credits: 2
- MUS 470 - Orchestration and Arranging Credits: 2

Music Education Electives (4 hours)

Students should select four hours from the following:
• MUS 313 - Band Instrument Repair Credits: 1
• MUS 314 - Jazz Pedagogy Credits: 1
• MUS 403 - Marching Band Techniques Credits: 1, R4
• MUS 411 - Advanced Vocal Pedagogy Credits: 3
• MUS 412 - Teaching in the Private Studio Credits: 1

Two hours of general electives are required to complete the degree.

Instrumental Music Concentration (24 hours)

All wind and percussion majors in the Instrumental Music concentration must include a minimum of three semesters in a concert band and two semesters in marching band. For keyboard, strings, and guitar majors, MUS 373 must be the major ensemble; performance on secondary winds or percussion is required. If piano is the principal instrument, three hours in one secondary applied wind instrument or percussion is required in place of piano class.

• MUS 168 - String Class Credits: 1
• MUS 272 - Percussion Class Credits: 1
• MUS 283 - Music Technology Methods Credits: 1
• MUS 307 - Applied Major Credits: 2, R6
  (two semesters required)
• MUS 311 - Pedagogy of Brass Instruments Credits: 2
• MUS 312 - Pedagogy of Woodwind Instruments Credits: 2
• MUS 323 - Music in the Elementary School Credits: 2
• MUS 324 - Music in the Middle School Credits: 2
• MUS 429 - Instrumental Conducting Credits: 2
• MUS 470 - Orchestration and Arranging Credits: 2

Music Education Electives (2 hours)

Students should choose two hours from the following electives:

• MUS 313 - Band Instrument Repair Credits: 1
• MUS 314 - Jazz Pedagogy Credits: 1
• MUS 403 - Marching Band Techniques Credits: 1, R4
• MUS 411 - Advanced Vocal Pedagogy Credits: 3
• MUS 412 - Teaching in the Private Studio Credits: 1

Professional Education Sequence (25 hours)

• EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3
• EDSE 484 - Supervised Internship I Credits: 1-3
• MUS 326 - Instrumental Methods and Materials Credits: 3
  or
• MUS 327 - Choral Methods and Materials Credits: 3
• EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar Credits: 3
• MUS 491 - Supervised Student Teaching in Music, K-12 Credits: 3

Commercial and Electronic Music Concentration (26 hours)

A minimum GPA requirement of 2.75 is required for acceptance, maintaining and graduating in the Commercial and Electronic Music concentration in the BM degree program.

• MUS 181 - Introduction to MIDI/Synthesis Credits: 2
• MUS 182 - Computer Music Notation Credits: 2
• MUS 281 - Introduction to Digital Audio Credits: 2
• MUS 307 - Applied Major Credits: 2, R6
  (2 semesters required)
• MUS 320 - Materials in Popular Music and Jazz Credits: 3
• MUS 378 - Survey of the Music Industry Credits: 3
• MUS 379 - Introduction to Recording Arts Credits: 3
• MUS 417 - Applied MIDI/Synthesis Credits: 2, R6

Students should select one of the following courses:

• MUS 383 - Music and Audio in Media Credits: 3
• MUS 426 - Jazz Arranging and Composing Credits: 3
• MUS 468 - Composing for Film and Video Credits: 3
• MUS 469 - Music in Motion Pictures Credits: 3
• MUS 479 - Digital Audio Recording and Editing Credits: 3

Additional Requirements

The following courses are required:

• MUS 375 - Ensemble Credits: 1, R24
  (two hours required)
• MUS 470 - Orchestration and Arranging Credits: 2
• MUS 474 - Entrepreneurship in Music, Senior Project Credits: 1
Music Electives (12 hours)

Students should select 12 hours of music electives from the list below. Choose courses not already used; students cannot double-count already used for the concentration:

- MUS 304 - Jazz Appreciation Credits: 3
- MUS 317 - Applied Commercial and Electronic Music Credits: 2, R6
- MUS 383 - Music and Audio in Media Credits: 3
- MUS 413 - Studies in Improvisation Credits: 1, R4
- MUS 426 - Jazz Arranging and Composing Credits: 3
- MUS 468 - Composing for Film and Video Credits: 3
- MUS 469 - Music in Motion Pictures Credits: 3
- MUS 479 - Digital Audio Recording and Editing Credits: 3
- MUS 481 - Live Sound Reinforcement Credits: 3
- MUS 483 - Practicum in Music Credits: 1-3, R3
- MUS 489 - Internship Credits: 3, R9

General Electives

Seven hours of general university electives are required to complete the program.

Performance Concentration: (26 hours)

A minimum GPA requirement of 2.50 is required for acceptance, maintaining and graduating in the Performance concentration in the BM degree program.

Students should take all of the following:

- MUS 181 - Introduction to MIDI/Synthesis Credits: 2
- MUS 182 - Computer Music Notation Credits: 2
- MUS 305 - Junior Recital Credits: 1
- MUS 307 - Applied Major Credits: 2, R6 (Two semesters required)
- MUS 405 - Senior Recital Credits: 1
- MUS 407 - Applied Major Credits: 2, R6 (Two semesters required)

Students should also select two hours from the following list:

- MUS 371 - University Chorus Credits: 1, R16
- MUS 372 - Concert Choir Credits: 1, R16
- MUS 373 - Band Credits: 1-2, R16
Students should select a total of 12 hours selected from the following groups (three hours from the first, six hours from the second, and three hours from the third):

**Pedagogy, Literature, and Improvisation: (3 hours)**

Students should take one hour each of the following (including one hour in each, in pedagogy, literature and improvisation):

- MUS 412 - Teaching in the Private Studio **Credits: 1**
- MUS 413 - Studies in Improvisation **Credits: 1, R4**
- MUS 480 - Independent Study **Credits: 1-3, R9**  
  
  *including one hour in each: pedagogy, literature and improvisation*

**Advanced studies in music: (6 hours)**

Students should select six hours from any of the following:

- MUS 303 - The World of Music **Credits: 3**
- MUS 304 - Jazz Appreciation **Credits: 3**
- MUS 420 - Studies in Music Literature **Credits: 3, R9**
- MUS 425 - Twentieth-Century Music **Credits: 3**

**Three additional hours from either group above:**

**Note:** Voice majors may substitute these classes:

- MUS 258 - Diction for Singers I **Credits: 1**
- MUS 259 - Diction for Singers II **Credits: 2**

**Additional Requirements**

The program also requires the following:

- Six hours in MFL (must be in one language)
- MUS 375 - Ensemble **Credits: 1, R24**  
  *(Six semesters required)*
- MUS 378 - Survey of the Music Industry **Credits: 3**
- MUS 470 - Orchestration and Arranging **Credits: 2**

**General Electives**

Three (3) hours of general university electives are required to complete the program.
Film and Television Production, BFA

The BFA in Film & Television Production is designed to produce award-winning filmmakers with broad strengths across multiple disciplines within the motion picture craft. The program requires 52 credit hours in core coursework, 12 credit hours in general electives, and 14 credit hours of practicum. Prospective students must apply to the program separately from their university applications. For more information on admission, see our Stage and Screen admission page: https://www.wcu.edu/learn/departments-schools-colleges/fpa/stagescreen/admission/

Total number of hours for program: 120

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Additional Requirements:

All students must apply and be accepted into the Film and Television Production program. Students who are accepted must follow the guidelines established in the Stage and Screen Program Continuation Policy and the Film and Television Production program handbook in order to remain in the program.

Major Requirements

Film and Television Production BFA Core (52 hours)

FTP Students must take the following courses totaling 52 credit hours.

- FTP 110 - Introduction to Screenwriting Credits: 3
- FTP 155 - Camera Craft Credits: 3
Film Practicum (14 hours)

Students must take a total of 14 credit hours of film practicum credits: two repeatable credits per semester, or seven semesters total of the practicum courses. FTP 386, Film Practicum I, will be offered in the fall. FTP 387, Film Practicum II, will be offered in the spring.

- FTP 386 - Film Practicum I Credits: 2, R10

General Electives (9 hours)

Students must take 12 hours of general electives to make up 120. To meet a university requirement, 25 percent of total hours should be taken at the 300-400 level.

Stage & Screen, BA

The total number of hours for the program: 120

The BA in Stage and Screen is for students interested in a general education that provides training in the multiple crafts of theatre and film. Admission into the program is by audition or interview only and is subject to the program continuation policy. Students must maintain at least a 2.5 GPA to graduate with the degree.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Production (8 hours)
Students must take one production credit per semester. Repeatable by 12.

- **THEA 270 - Theatre Arts Workshops** | **Credits:** 1, R12

**Electives (21 hours)**

Students should choose 21 credit hours, nine of which should come from the School of Stage and Screen. The remaining credits can come from any class offered by the university.

**Skills Core (49 Hours)**

Students should take the following skills courses:

- **THEA 110 - Stage and Film Crafts** | **Credits:** 3
- **THEA 111 - Stage and Film Crafts II** | **Credits:** 3
- **THEA 122 - Design Basics** | **Credits:** 3
- **THEA 145 - Foundations of Stage and Screen** | **Credits:** 3
- **THEA 180 - Acting I** | **Credits:** 3
- **THEA 200 - Script Analysis** | **Credits:** 3
- **THEA 235 - Stage Management** | **Credits:** 3
- **THEA 400 - History of Theatre** | **Credits:** 3
- **THEA 495 - BA Senior Project** | **Credits:** 3
- **THEA 496 - Seminar in Professional Development** | **Credits:** 1
- **FTP 155 - Camera Craft** | **Credits:** 3
- **FTP 251 - Lighting for Film and Television** | **Credits:** 3
- **FTP 340 - Filmmakers on Filmmaking** | **Credits:** 3

*Students should choose three hours (one course) from the following:*

- **FTP 110 - Introduction to Screenwriting** | **Credits:** 3
- **THEA 230 - Playwriting** | **Credits:** 3

*Students should choose six hours (two courses) from the following:*

- **THEA 305 - Properties Design** | **Credits:** 3
- **THEA 308 - Lighting Design** | **Credits:** 3
- **THEA 311 - Costume Design** | **Credits:** 3
- **THEA 312 - Scenic Design** | **Credits:** 3
- **THEA 350 - Directing I** | **Credits:** 3

**Additional Requirements**

A total of 120 hours is required for this major, at least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.
Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/fpa/stagescreen/ to view the eight-semester curriculum guide.

**Theatre, BFA**

Total hours required for program: 120.

For acceptance into the BFA program in Acting for Stage and Screen, Musical Theatre, or Entertainment Design, and Technology, students must be extended an invitation into the program after a live audition or interview process. Students are then evaluated artistically and academically each year through the Program Continuation Policy and must successfully complete 120 hours of coursework as outlined in the programs eight-semester plan to be granted a degree.

A minimum GPA of 2.5 is required for graduation with the BFA degree.

**Admission to the Bachelor of Fine Arts in Theatre: Acting for Stage and Screen, Musical Theatre, or Entertainment Design and Technology**

Admission requirements include the standard undergraduate admissions process for the University as well as a live audition or interview through the School of Stage and Screen.

**Note:** Entrance into each program in the School of Stage and Screen in competitive. Please refer to the school's website for details on the admission process and live audition requirements for individual programs.

Admission to the university does not guarantee admission into the School of Stage and Screen.

**Major Requirements**

The BFA requires 120 hours as follows:

**Entertainment Design and Technology Concentration**

- Liberal Studies: 42 hours
- Electives: 9 hours
- Stage and Screen Core BFA Courses: 24 hours
- EDT Concentration Courses: 45 hours

**Acting Concentration:**

- Liberal Studies: 42 hours
- Electives: 9 hours
- Stage and Screen Core BFA Courses: 24 hours
- Acting Concentration Courses: 45 hours

**Musical Theatre Concentration:**
• Liberal Studies: 42 hours
• Electives: 9 hours
• Stage and Screen Core BFA Courses: 24 hours
• Musical Theatre Concentration Courses: 45 hours

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Stage and Screen Core BFA Courses:

Required Stage and Screen Core Courses for all BFA students, 24 hours.

Note: THEA 270 must be taken every semester for 1 credit for a total of 8 credits.

• THEA 124 - Stage and Film Makeup Credits: 3
• THEA 145 - Foundations of Stage and Screen Credits: 3
• THEA 180 - Acting I Credits: 3
• THEA 200 - Script Analysis Credits: 3
• THEA 270 - Theatre Arts Workshops I Credits: 1, R12
• THEA 496 - Seminar in Professional Development Credits: 1
• THEA 400 - History of Theatre Credits: 3

Acting for Stage and Screen Concentration Courses

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Acting Concentration will complete the following courses:

• THEA 110 - Stage and Film Crafts I Credits: 3
• THEA 185 - Acting for the Camera I Credits: 3
• THEA 220 - Stage Movement Credits: 3
• THEA 240 - Voice and Articulation Credits: 3
• THEA 260 - Dialects Credits: 1
• THEA 280 - Acting for the Camera II Credits: 3
• THEA 285 - Acting II Credits: 3
• THEA 300 - Improv Credits: 3
• THEA 320 - Stage Movement II Credits: 3, R2
• THEA 341 - Acting III Credits: 3
• THEA 350 - Directing I Credits: 3
• THEA 385 - Acting for the Camera III Credits: 3
• THEA 440 - Voice and Articulation II Credits: 3
• THEA 478 - Acting for the Camera IV Credits: 3
• THEA 485 - Acting IV **Credits:** 3
• THEA 499 - BFA Thesis/Senior Showcase **Credits:** 2

**Musical Theatre Concentration Courses**

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Musical Theatre Concentration will complete the following courses:

• THEA 106 - Applied Voice I **Credits:** 1, R3
• THEA 148 - Musicianship for Musical Theatre I **Credits:** 3
• THEA 149 - Musicianship for Musical Theatre II **Credits:** 3
• THEA 206 - Applied Voice II **Credits:** 1, R3
• THEA 208 - Song Study **Credits:** 1
• THEA 209 - Musical Theatre Ensembles **Credits:** 1
• THEA 220 - Stage Movement **Credits:** 3
• THEA 240 - Voice and Articulation **Credits:** 3
• THEA 260 - Dialects **Credits:** 1
• THEA 285 - Acting II **Credits:** 3
• THEA 306 - Applied Voice III **Credits:** 1, R3
• THEA 341 - Acting III **Credits:** 3
• THEA 406 - Applied Voice IV **Credits:** 1, R3
• THEA 499 - BFA Thesis/Senior Showcase **Credits:** 2
• DA 255 - Tap I **Credits:** 2
• DA 261 - Ballet I **Credits:** 2, R4
• DA 303 - Ballet II **Credits:** 2, R4
• DA 305 - Jazz II **Credits:** 2, R4
• DA 264 - Jazz I **Credits:** 2, R4
• DA 263 - Musical Theatre Styles **Credits:** 2, R4

**Plus ONE of the following:**

• DA 401 - Musical Theatre Choreography **Credits:** 2
• DA 402 - Musical Theatre Song & Dance **Credits:** 2

**Entertainment Design and Technology Concentration Courses**

In addition to the Liberal Studies, Electives, and Stage and Screen Core BFA Courses, students in the Entertainment Design and Technology Concentration will complete the following courses:

• FTP 251 - Lighting for Film and Television **Credits:** 3
• THEA 110 - Stage and Film Crafts I **Credits:** 3
• THEA 111 - Stage and Film Crafts II **Credits:** 3
• THEA 122 - Design Basics **Credits:** 3
Electives for Theatre BFA

Students may take any other courses offered by the university as major electives totaling nine credit hours.

Entertainment Design and Technology: Nine credit hours.

Acting for Stage and Screen: Nine credit hours.

Musical Theatre: Nine credit hours.

Art, Minor

Total number of hours for the Program: 21.

To continue in the program, students must earn a grade of C or better in each course in the minor.

Foundation Courses

The minor requires 21 hours, including both of the following:

- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3

Electives

With the advice of the head of the art department, students should select nine hours of art electives.

Art History Requirement
The minor includes six hours (two classes) of Art History electives selected from the following:

- ART 136 - Art History Survey I Credits: 3
- ART 137 - Art History Survey II Credits: 3
- IDES 465 - Travel Studies in Interior Design Credits: 3, R6

**Dance, Minor**

Total number of hours for the minor: 18

**Required Courses**

- DA 259 - Dance Appreciation Credits: 3
- DA 260 - Anatomy for Dance Credits: 2
- DA 261 - Ballet I Credits: 2, R4
  
  *These classes are required for the Dance Minor. Ballet I may be replaced by Ballet II or Ballet III when taken with Instructor Permission.*

**Additional Requirements**

Students should select 11 hours from the following:

- DA 253 - Social/Ballroom Dance Credits: 1
- DA 255 - Tap I Credits: 2
- DA 257 - Dance Performance Credits: 1, R3
- DA 262 - Modern I Credits: 2, R4
- DA 263 - Musical Theatre Styles Credits: 2, R4
- DA 264 - Jazz I Credits: 2, R4
- DA 301 - Dance Choreography Credits: 2
- DA 302 - Choreography Production Credits: 2
- DA 303 - Ballet II Credits: 2, R4
- DA 304 - Modern II Credits: 2, R4
- DA 305 - Jazz II Credits: 2, R4
- DA 306 - Tap II Credits: 2, R4
- DA 307 - Teaching Methods for Dance Credits: 2
- DA 401 - Musical Theatre Choreography Credits: 2
- DA 402 - Musical Theatre Song & Dance Credits: 2
- DA 403 - Ballet III Credits: 2

*Note: Students must meet proficiency, at professor's discretion, to proceed to next level in each discipline.*
Music, Minor

Total number of hours for the program: 22.

Minor Requirements

Audition and permission of the department head are required to enroll in the minor. The minor requires 22 hours, including:

- MUS 108 - Aural Skills I: Fundamentals of Sight Singing Credits: 1
- MUS 118 - Music Theory I: Fundamentals Credits: 3
- MUS 208 - Aural Skills II: Basic Tonal Functions Credits: 1
- MUS 218 - Music Theory II: Tonal Harmony Credits: 3
- MUS 308 - Aural Skills III: Advanced Tonal Functions Credits: 1
- MUS 318 - Music Theory III: Advanced Forms and Chromaticism Credits: 3

Students should take three semesters of the following:

- MUS 358 - Concert Attendance Credits: 0

Students should take two hours of each of the following:

- MUS 106 - Applied Minor Credits: 1, R3
- MUS 206 - Applied Minor Credits: 1, R3

Additional Requirements

- Four hours in a major ensemble (MUS 371, 372, or 373);
- Two hours of music electives.
The College of Health and Human Sciences is comprised of five academic units. These include the School of Health Sciences, the School of Nursing, and the departments of Communication Sciences and Disorders, Criminology and Criminal Justice, Physical Therapy, and Social Work.

College Mission Statement

The mission of the College of Health and Human Sciences is to provide a dynamic learning community that prepares individuals for professional life by providing quality educational experiences that promote scholarship, engagement, and life-long learning in a global environment. This goal will be met with active, scholarly, collaborative faculty. The college will be recognized for graduates who are ethical, adaptive, technically capable, and innovative professionals. In fulfilling this role, the college provides undergraduate and graduate educational programs in Cullowhee, Asheville, and online.

Introduction

Careers in health professions and are among the fastest-growing sectors of the job market. There is a rising demand for health care professionals to meet the current and projected health care needs of a growing and increasingly diverse population.

Through its graduate and undergraduate educational programs, the College is committed to providing learning opportunities to students aspiring to careers in professions that serve the needs of our society. Services to disadvantaged segments of society most in need of care across age, cultural, and socioeconomic spectrum are central to the mission of the College's educational programs. To this end, the College is committed to fostering community-centered education and to training future professionals who are knowledgeable, competent, ethical, and caring, with a strong commitment to human service.

Special Expenses

Due to the nature of the clinical and laboratory-learning experiences required in some of the college's programs, students will encounter special expenses beyond those listed in
the fees section of this catalog. Liability insurance, uniforms, transportation to
internships/clinical sites, criminal background checks required by internship/clinical
education facilities, software programs, and special texts and class materials are examples
of what might be expected. Each program has different requirements, and students should
discuss costs with the program director. Programs such as Athletic Training (ATTR),
Emergency Medical Care (EMC), Environmental Health (ENVH), Nutrition and
Dietetics (ND), and Recreational Therapy (RTH) require majors and pre-majors to have
daily access to a laptop computer that meets the standard university networking and
hardware configuration requirements.

Clinical Education and Criminal Background Checks

Many health care facilities as well as educational and social services agencies
require criminal background and/or drug screening on students who participate
in internship/clinical education rotations. Students who have a positive drug screen or
records of any felony or misdemeanor convictions, may be denied participation in
internship/clinical education rotations. A conviction involving alcohol or drug use,
possession or distribution offenses, violence-related offenses, or the abuse/neglect of
children or disabled adults may be a significant obstacle to successful completion of the
academic program.

Students who are denied participation in internship/clinical education rotation based upon
the results of criminal background or drug screens, may be removed from the academic
program; however, all students are first given the opportunity to appear before a review
committee.

Undergraduate Programs and Majors:

Majors in the College of Health and Human Sciences include: Athletic Training,
Criminal Justice, Communication Sciences and Disorders, Emergency and Disaster
Management, Emergency Medical Care, Environmental Health, Nutrition and Dietetics,
Nursing, Recreational Therapy, and Social Work.

Graduate Programs

The College offers graduate programs in Physical Therapy, Social Work, Speech
Pathology, Health Sciences, (with concentrations in emergency medical care, nutrition,
and management) and Nursing, including Nurse Leadership, Family Nurse Practitioner,
Nurse Educator and Doctor of Nurse Practice, and Doctor of Nurse Practice-Nurse
Anesthesia.

Certificate in Culturally Based Native Health

The Culturally-Based Native Health Program is a collaborative initiative between
Western Carolina University, the Eastern Band of Cherokee Indians, and Wake Forest
University. Our mission is to provide a culturally oriented approach to training for health
professionals serving Native peoples, grounded in a tribal community, and integrated into
the core of the University. This is an interdisciplinary Certificate in Culturally Based Native Health and requires 12 credit hours. As an interdisciplinary program, this Certificate is not intended as transitional to a master's degree. All courses are offered online.

**Required Courses**

- NAS 470 - Cherokee Culture and History **Credits: 3**
- NAS 474 - Issues in Indian Health **Credits: 3**

**Elective Courses**

- NAS 452 - The Roots of Health Disparities in Native American Populations **Credits: 3**
- NAS 471 - Indigenous and Western Psychologies **Credits: 3**
- NAS 472 - Healing the Wounded Native Child **Credits: 3**
- NAS 476 - American Indian Tobacco and Substance Use **Credits: 3**

**Communication Sciences and Disorders**

*Office Information:*

161 HHS Building  
(828) 227-3381  
Website: [http://www.wcu.edu/learn/departments-schools-colleges/HHS/csd/index.aspx](http://www.wcu.edu/learn/departments-schools-colleges/HHS/csd/index.aspx)

Dr. Billy Ogletree, Department Head

[https://www.wcu.edu/discover/contact-wcu/staff-directory.aspx](https://www.wcu.edu/discover/contact-wcu/staff-directory.aspx) (search by department)

**Communication Sciences and Disorders, BS**

Total number of hours for the program: 128.

This is a pre-professional program. Licensure and certification by the State of North Carolina and the Council on Academic Accreditation of the American Speech-Language-Hearing Association require successful completion of a master's degree.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**
The major requires 42 hours, including all of the following:

- CSD 270 - Introduction to Communication Disorders Credits: 3
- CSD 272 - Fundamentals of Speech and Language Analysis Credits: 3
- CSD 301 - Speech and Language Development Credits: 3
- CSD 370 - Phonetics Credits: 3
- CSD 372 - Acoustics and Speech Science Credits: 3
- CSD 380 - Anatomy and Physiology of the Speech Mechanism Credits: 3
- CSD 421 - Measurement Practices in Communication Disorders Credits: 3
- CSD 450 - Introduction to Audiology Credits: 3
- CSD 470 - Speech-Language Disorders in Adults Credits: 3
- CSD 472 - Aural Rehabilitation Credits: 3
- CSD 477 - Speech-Language Disorders in Children Credits: 3
- CSD 478 - Fluency and Voice Disorders Credits: 3
- CSD 479 - The Clinical Process Credits: 3
- SPED 240 - The Exceptional Child Credits: 3

Concentration or a minor (24 hours)

Students may choose to take courses from the Related Professional Course (RPC - 24 hours) or complete a minor (18 - 24 hours). Minors less than 24 hours would require students to take additional general electives.

Electives

General electives include 20 hours. To meet a university requirement, students should take 25 percent of total hours at WCU and at the 300-400 level. Visit the department's website at http://commdis.wcu.edu to view the eight-semester curriculum guide.

School of Health Sciences

Office Information:

428 HHS Building
(828) 227-7113
Website: http://www.wcu.edu/learn/departments-schools-colleges/HHS/healthsci/index.aspx

Dr. Ericka P. Zimmerman, Director, School of Health Sciences

http://www.wcu.edu/learn/departments-schools-colleges/HHS/healthsci/health-sciences-faculty/index.aspx (search by department)

Athletic Training, BS
Declaration of a major in Athletic Training does not guarantee admission into the professional program. Students must formally apply and be admitted into the Program before beginning the professional sequence of courses and/or proceeding into advanced clinical placements. Students are expected to adhere to not only the technical and professional standards of the Program but the academic requirements below. For the most up-to-date information regarding these standards, program progression, suspension, and termination, refer to the Athletic Training program website linked from the School of Health Sciences.

**Provisional Admission**

When do students apply? Applications for provisional admission are accepted twice each year with the deadlines of April 10 and August 10. Students will typically apply for provisional admission to the program during their second semester at WCU. To be provisionally admitted, students must have completed ATTR 150 with a grade of C+ or better and have earned a minimum overall GPA of 2.0. Students must have been provisionally admitted to the program for a minimum of one semester to apply for full admission to the program.

**Full Admission:** Application for full admission to the program occurs December 15 of each year. Students will typically apply for full admission to the program during their second academic year

**Required Pre-requisites:** Full admission to the program requires completion of ATTR 150, ATTR 183, and ATTR 210 with a grade of C+, "satisfactory" or better. Additionally, students must complete ATTR 221, ATTR 265, and ATTR 283. Students must earn a grade of C+ or better in two of the three additional courses with no pre-requisite courses below a grade of C. In the case of course repeat, the higher of the grades for the first two attempts will be considered toward program application.

**Retention in the Program:** Students fully admitted into the ATTR program must maintain an overall GPA of 2.75 and a major GPA of 2.75 to remain in the Program. In addition, students must earn a grade of C+ or better in all but one of the required courses in the major. Once fully admitted into the ATEP, students may be dismissed upon earning any grade below C- in any major course, or, upon the second "C" earned.

**Additional Information:** Transfer students and WCU varsity athletes should contact the program director for program information. The program is fully accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students may be required to complete clinical experience during vacation periods and/or during weekends and evenings. Additionally, students may be required to return to campus before the beginning of the fall and spring semesters and remain after each semester ends if their clinical education experience requires attendance during these times.

**Liberal Studies (42 hours)**
Major Requirements

The major requires 72 hours, including all of the following:

- ATTR 150 - Introduction to Athletic Training **Credits:** 3
- ATTR 183 - Introduction to Clinical Education **Credits:** 1
- ATTR 210 - Clinical Anatomy & Biomechanics **Credits:** 4
- ATTR 221 - Therapeutic Modalities I **Credits:** 1
- ATTR 222 - Therapeutic Modalities II **Credits:** 1
- ATTR 240 - Emergency Procedures in Athletic Training **Credits:** 3
- ATTR 265 - Clinical Physiology and Pathology **Credits:** 4
- ATTR 283 - Clinical Education I **Credits:** 1
- ATTR 284 - Clinical Education II **Credits:** 1
- ATTR 323 - Therapeutic Modalities III **Credits:** 1
- ATTR 324 - Manual Therapy **Credits:** 1
- ATTR 330 - Clinical Measures for the Lower Extremity **Credits:** 2
- ATTR 340 - Clinical Measures for the Upper Extremity **Credits:** 2
- ATTR 350 - Analysis of Dysfunction of the Lower Extremity **Credits:** 3
- ATTR 360 - Analysis of Dysfunction of the Upper Extremity **Credits:** 3
- ATTR 370 - Evaluation and Treatment of the Spine **Credits:** 3
- ATTR 375 - Therapeutic Exercise **Credits:** 4
- ATTR 377 - Physical Adaptation to Exercise **Credits:** 4
- ATTR 383 - Clinical Education III **Credits:** 3
- ATTR 384 - Clinical Education IV **Credits:** 3
- ATTR 410 - Organization and Administration in Athletic Training **Credits:** 3
- ATTR 415 - Evidence-Based Practice in Athletic Training **Credits:** 3
- ATTR 450 - Radiology and Diagnostic Procedures **Credits:** 1
- ATTR 465 - Pathophysiology **Credits:** 3
- ATTR 483 - Clinical Education V **Credits:** 3
- ATTR 484 - Clinical Education VI **Credits:** 8
- ND 342 - Nutrition in Athletics **Credits:** 3

General Electives

To finish the degree, students must take nine hours of general electives. To meet a university requirement, students should take 25 percent of total hours at WCU and at the 300-400 level.

Visit the department's website at http://www.wcu.edu/WebFiles/AT8SemPlan2015.pdf to view the eight-semester curriculum guide.
Emergency Medical Care, BS

Total number of hours for program: 128.

Declaration of a major in Emergency Medical Care (EMC) does not guarantee admission into the EMC Program. Students must formally apply and be admitted into the EMC Program before beginning the professional sequence of courses and/or proceeding into clinical placements. Admission to the EMC Program is competitive. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards of the EMC Program. For the most up-to-date information regarding these standards, program suspension, and termination refer to the EMC Program website linked from the School of Health Sciences.

When do students apply? Applicants must hold or be eligible for North Carolina Emergency Medical Technician certification and forward an application to the EMC Director by January 15 of each year for entry the following August.

Required Prerequisites: Complete a minimum of 60 semester hours including all liberal studies and pre-professional courses. Students must earn a C (2.0) or better in BIOL 291 and BIOL 292. Minimum Program Entry GPA Requirement: 2.5

Program Retention and Graduation: Students admitted to the professional sequence must earn a grade of C (2.0) or better in each EMC course in the major and maintain an overall 2.0 GPA to remain in the EMC Program.

Additional Information: An accelerated curriculum available for associate degree paramedics normally allows completion of degree requirements in two years. Articulating and other transfer students holding current paramedic certification should contact the EMC Program Director about degree requirements and EMC Program admission. WCU’s EMC Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, Florida 33756 through the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP), 8301 Lakeview Parkway Suite 111-312, Rowlett, Texas 75088.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

The major requires at least 22 hours of pre-professional requirements (six hours of which also fulfill Liberal Studies requirements), 46 hours of major courses, and completion of a concentration (excluding General Electives), which may be needed to bring the total to 128:

- EMC 240 - Introduction to Emergency Medical Care Credits: 4
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EMC 241</td>
<td>Basic Emergency Medical Techniques</td>
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<tr>
<td>EMC 320</td>
<td>Introduction to Pharmacology</td>
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<td>EMC 321</td>
<td>Pharmacology Techniques</td>
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<td>EMC 340</td>
<td>Introduction to Clinical Medicine</td>
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<td>EMC 341</td>
<td>Introduction to Clinical Medicine Lab</td>
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<td>EMC 350</td>
<td>Cardiology</td>
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<td>EMC 351</td>
<td>Basic ECG Interpretation</td>
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</tr>
<tr>
<td>EMC 352</td>
<td>Cardiology Lab</td>
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</tr>
<tr>
<td>EMC 360</td>
<td>Acute Fluid and Respiratory Disorders</td>
<td>3</td>
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<td>EMC 361</td>
<td>Advanced Emergency Medical Techniques</td>
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<td>EMC 370</td>
<td>Medical Emergencies</td>
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<td>EMC 381</td>
<td>Clinical Practicum I</td>
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<tr>
<td>EMC 382</td>
<td>Clinical Practicum II</td>
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<td>EMC 410</td>
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<td>EMC 411</td>
<td>Trauma Management Lab</td>
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<tr>
<td>EMC 420</td>
<td>Maternal and Child Emergency Care</td>
<td>3</td>
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<tr>
<td>EMC 421</td>
<td>Maternal and Child Emergency Care Lab</td>
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<tr>
<td>EMC 430</td>
<td>Special Needs Patients</td>
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<tr>
<td>EMC 451</td>
<td>Advanced ECG Interpretation</td>
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<tr>
<td>EMC 452</td>
<td>Critical Cardiac and Resuscitation Management</td>
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</tr>
<tr>
<td>EMC 461</td>
<td>Simulation Laboratory</td>
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<td>EMC 483</td>
<td>Clinical Practicum III</td>
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<tr>
<td>EMC 485</td>
<td>MICU Practicum</td>
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<tr>
<td>EMC 496</td>
<td>Senior Seminar in Emergency Medical Care</td>
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</tr>
<tr>
<td>HSCC 330</td>
<td>Legal and Legislative Aspects of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSCC 470</td>
<td>Research Methods in Health Science</td>
<td>3</td>
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<tr>
<td>BIOL 291</td>
<td>Human Anatomy and Physiology I</td>
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<tr>
<td>BIOL 292</td>
<td>Human Anatomy and Physiology II</td>
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<tr>
<td>CHEM 132</td>
<td>Survey of Chemistry I</td>
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<tr>
<td>CHEM 133</td>
<td>Survey of Chemistry II</td>
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</tr>
<tr>
<td>CHEM 140</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>
Concentrations

Students can select either the Science Concentration or the Health Services Management Concentration.

Science Concentration (15 hours)

- CHEM 242 - Organic Chemistry II Credits: 4
- PHYS 130 - Introductory Physics I Credits: 4
- PHYS 131 - Introductory Physics II Credits: 4
  Three additional hours of BIOL or CHEM courses

Health Services Management Concentration (15 hours)

- EMC 445 - EMC Systems Management Credits: 3
- HSCC 311 - Systems and Trends in Health Care Delivery Credits: 3
- HSCC 318 - Department Administration Credits: 3
- HSCC 440 - Quality Management in Health Care Agencies Credits: 3
- HSCC 450 - Financial Management in Health Care Credits: 3

General Electives (9 hours)

Note: The pre-professional requirements also meet C5 Liberal Studies requirements. Students must therefore take General Elective hours to meet the 128-hour requirements. To meet another university requirement, students must take 25 percent of all class hours at WCU and at the junior-senior level. Visit the department's website at: http://www.wcu.edu/learn/departments-schools-colleges/HHS/hhs-schools-depts/healthsci/health-sciences-majors/emc/index.asp to view the eight-semester curriculum guide.

Optional Courses

The following class is available to students but is not required for program completion:

- EMC 484 - Clinical Practicum IV Credits: 1-3

Environmental Health, BS
Declaring a major in Environmental Health does not guarantee admission into the program. Students must maintain an overall 2.3 GPA and earn a grade of C (2.0) or above in each of the core environmental health courses to remain in the program. In addition, students are expected to adhere to the technical and professional standards of the program. For the most up-to-date information regarding these standards, program suspension and termination, refer to the Environmental Health Program website linked from the School of Health Sciences. The program is nationally accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC).

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Major Requirements**

The major requires 60 hours (Math and Science C2 and C5 requirements, and Core major classes) hours as follows:

- BIOL 313 - Microbiology in Health and Nutrition **Credits:** 4
- CHEM 139 - General Chemistry I **Credits:** 4
- CHEM 140 - General Chemistry II **Credits:** 4
- CHEM 241 - Organic Chemistry I **Credits:** 4
- ENVH 230 - Introduction to Environmental Health Science **Credits:** 3
- ENVH 310 - Water Quality Control **Credits:** 3
- ENVH 311 - Water Quality Control Laboratory **Credits:** 1
- ENVH 312 - Solid and Hazardous Materials Management **Credits:** 3
- ENVH 320 - Institutional and Residential Environments **Credits:** 3
- ENVH 330 - Food Protection and Sanitation **Credits:** 3
- ENVH 331 - Food Protection and Sanitation Laboratory **Credits:** 1
- ENVH 375 - Environmental Toxicology **Credits:** 3
- ENVH 395 - Environmental Health Pre-Internship Seminar **Credits:** 1
- ENVH 430 - Medical Entomology **Credits:** 3
- ENVH 431 - Medical Entomology Laboratory **Credits:** 1
- ENVH 440 - Air Quality Control **Credits:** 3
- ENVH 450 - Industrial Hygiene Laboratory **Credits:** 2
- ENVH 457 - Industrial Hygiene **Credits:** 3
- ENVH 470 - Principles of Epidemiology **Credits:** 4
- ENVH 483 - Environmental Health Internship **Credits:** 2, R6
- MATH 146 - Precalculus **Credits:** 4
- PHYS 130 - Introductory Physics I **Credits:** 4

*And BIOL 140 or higher.*
• BIOL 140 - Principles of Biology I Credits: 4
  (or a higher-level Biology class)
  One additional science course (at least three credit hours) approved by an advisor (for example, PHYS 131, CHEM 242 or higher, GEOL 305 or 310 or another BIOL course; first-year seminars do not count for this requirement)

Note: By taking MATH 146, BIOL 313, and CHEM 139, each four credit hours (12 total), students satisfy their nine credit hours of C2 and C5 Liberal Studies courses. The remaining three credit hours (after the nine LS credits are subtracted from the 12-hour total for those three classes) the Environmental Health credit-hour requirements.

General Electives 18 hours

General electives (18 hours) are required to complete the program. To satisfy another WCU requirement, students should earn 25 percent of their total hours at WCU and at the junior-senior level.

Visit the department’s website at http://www.wcu.edu/learn/departments-schools-colleges/HHS/healthsci/envh/index.aspx to view the eight-semester curriculum guide.

Nutrition and Dietetics, BS

Total number of hours for the program: 120.

Declaration of a major in Pre-Nutrition and Dietetics does not guarantee admission into the Nutrition and Dietetics (ND) program. Students must formally apply and be admitted to the program before beginning the professional sequence of courses in the junior year. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards of the program. For the most up-to-date information regarding these standards, program progression, suspension, and termination refer to the Nutrition and Dietetics Student Handbook on the program website linked from the School of Health Sciences.

Minimum GPA Requirement: 2.8 overall, 3.0 in the pre-requisite courses

When do students apply? Completed applications must be received by April 30 for admission to the ND program in the Fall of that year. Students will typically apply for admission to the program during the spring semester of their sophomore year. The application form and further information are available on the program website.

Required Prerequisites: Admission to the professional sequence requires completion of ND 239 and ND 330 with a grade of at least a "B" (not a B-; B or B+) as well as the following science and math courses or their equivalent with a grade of at least a "C" (C-, C, C+): CHEM 132, CHEM 133, BIOL 140, BIOL 291, BIOL 292, BIOL 313, HSCC 322, MATH 170 and PSY 150.
Retention in the Program: Students admitted to the program must maintain a 3.00 GPA in the major to remain in the program.

Verification Statement and Progression to the Registered Dietician (RD): The WCU's Nutrition and Dietetics program is also known as a didactic program in dietetics (DPD) and is fully accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND). Program graduates will receive a verification statement and will be eligible to apply to take the Examination for Dietetic Technicians and/or apply to an ACEND-accredited dietetic internship program. Dietetic internships are competitive, and application does not guarantee acceptance. Upon successful completion of an internship, graduates will be eligible to take the Registration Examination for Registered Dietitian Nutritionists (RDN). More Information on the WCU Dietetic Internship can be found at http://www.wcu.edu/academics/departments-schools-colleges/HHS/hhs-schools-depts/healthsci/health-sciences-majors/nd/dietetic-internship-di-program.

Additional Information: Transfer students should contact the program director for further information.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Major Requirements

Nutrition and Dietetics Major Prerequisite Requirements (37 hours)

Note: Twelve hours of the prerequisites will also meet Liberal Studies requirements. Courses in Math, Biology, and Chemistry will meet C2 and C5 Liberal Studies requirements, and PSY 150 will partially fulfill the P1 requirement. Students are strongly urged to choose LS courses carefully to avoid taking additional courses for those requirements.

- BIOL 140 - Principles of Biology I Credits: 4
- BIOL 291 - Human Anatomy and Physiology I Credits: 4
- BIOL 292 - Human Anatomy and Physiology II Credits: 4
- BIOL 313 - Microbiology in Health and Nutrition Credits: 4
- CHEM 132 - Survey of Chemistry I Credits: 4
- CHEM 133 - Survey of Chemistry II Credits: 4
- HSCC 322 - Medical Terminology Credits: 3
- MATH 170 - Applied Statistics Credits: 3
- ND 239 - Dietetics as a Profession Credits: 1
- ND 330 - Human Nutritional Needs Credits: 3
- PSY 150 - General Psychology Credits: 3
Nutrition and Dietetics Major Core Requirements (53 hours):

- HSCC 318 - Department Administration Credits: 3
- ND 301 - Food Science Lab Credits: 1
- ND 303 - Quantity Food Production Lab Credits: 1
- ND 304 - Nutritional Assessment Lab Credits: 1
- ND 310 - Food, Nutrition, and Culture Credits: 3
- ND 325 - Research Methods in Nutrition Credits: 3
- ND 331 - Food Science Credits: 3
- ND 333 - Quantity Food Production Credits: 2
- ND 334 - Nutritional Assessment Credits: 2
- ND 335 - Nutrition Through the Life Cycle Credits: 3
- ND 350 - Adv Human Nutrition I Credits: 3
- ND 351 - Advanced Human Nutrition II Credits: 3
- ND 406 - Nutrition Interviewing and Counseling Lab Credits: 1
- ND 420 - Community Nutrition I Credits: 3
- ND 422 - Community Nutrition II Credits: 3
- ND 432 - Institutional Food Service Management I Credits: 3
- ND 435 - Institutional Food Service Management II Credits: 3
- ND 436 - Nutrition Interviewing and Counseling Skills Credits: 2
- ND 439 - Introduction to Professional Practice Credits: 1
- ND 451 - Medical Nutrition Therapy I Credits: 3
- ND 452 - Medical Nutrition Therapy II Credits: 3
- ND 453 - Medical Nutrition Therapy Lab I Credits: 1
- ND 454 - Medical Nutrition Therapy II Lab Credits: 1
- ND 461 - Nutrition and Dietetics Capstone Credits: 1

Recreational Therapy, BS

Total number of hours for the program: 120.

Declaration of a major in Recreational Therapy does not guarantee admission into the program. Students must formally apply and be admitted into the program before beginning the professional sequence of courses and/or proceeding into clinical placements. Students are expected to adhere not only to the technical and professional standards of the program but to the academic requirements below. For the most up-to-date information regarding these standards, program suspension, and termination refer to the Recreational program website linked from the School of Health Sciences.

Applying for Admission
Students are encouraged to apply for the major after having completed the RTH 200 course in their sophomore year. Admission to the Bachelor of Science degree requires completion of the application for new majors. *The recreational therapy admission application is emailed to all pre-majors in advance of Advising Day in fall and spring semesters with submission information.* Application to the program does not assure acceptance.

**Minimum GPA Requirement: 2.5**

Students admitted to the program must earn a grade of C or better in each RTH course in the major and must maintain an overall GPA of 2.50 to remain in the program. Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/HHS/healthsci/rth/index.aspx to view the eight-semester curriculum guide.

**Liberal Studies (42 hours)**

Liberal Studies Program Requirements

**Note:**

Six hours of the prerequisites will also meet Liberal Studies requirements. One course in Biology will partially meet C5 Liberal Studies requirements, and PSY 150 will partially fulfill the P1 requirement. Students are strongly urged to choose LS courses carefully to avoid taking additional courses for those requirements.

**Major Requirements**

Required Prerequisites: None

The major requires 71 hours as follows. Students should take all courses in the following list:

- **RTH 200 - Foundations of Recreational Therapy Credits: 3**
- **RTH 350 - Recreational Therapy and People with Physical Disabilities Credits: 3**
- **RTH 352 - Recreational Therapy Processes and Techniques Credits: 3**
- **RTH 360 - Recreational Therapy Services for Older Adults Credits: 3**
- **RTH 370 - Methods in Recreational Therapy Credits: 3**
- **RTH 395 - Pre-Internship Seminar Credits: 1**
- **RTH 401 - Client Assessment in Recreational Therapy Credits: 3**
- **RTH 405 - Recreational Therapy in Behavioral Health Credits: 3**
- **RTH 417 - Administration and Advancement of Recreation Therapy Services Credits: 3**
- **RTH 470 - Adventure-Based Recreational Therapy Credits: 3**
- **RTH 484 - Recreational Therapy Clinical Internship Credits: 6**
- **RTH 485 - Recreational Therapy Clinical Internship Credits: 6**
- BIOL 291 - Human Anatomy and Physiology I **Credits:** 4
- BIOL 292 - Human Anatomy and Physiology II **Credits:** 4
- COUN 325 - Survey of Human Development **Credits:** 3
- COUN 430 - Individual and Group Counseling **Credits:** 3
- HEAL 250 - First Aid and Safety Education **Credits:** 2
- HSCC 322 - Medical Terminology **Credits:** 3
- PRM 270 - Leadership and Group Dynamics in Recreation **Credits:** 3
- PSY 150 - General Psychology **Credits:** 3
- PSY 470 - Abnormal Psychology **Credits:** 3

**Students should select one course from the following:**

- HPE 225 - Applied Kinesiology II **Credits:** 4
- HPE 235 - Motor Behavior **Credits:** 3
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics **Credits:** 4

**Electives**

General electives (7-14 hours) are required to complete the program. The range of electives is contingent on the student's completion of PSY 150 (3 credits) and BIOL 291 (4 credits) within the Liberal Studies Program. If the student does not complete PSY 150 and BIOL 291 within Liberal Studies requirements, the student will have only seven hours of electives available. To meet another university requirement, students must take 25 percent of all courses at WCU and at the junior-senior level.

**School of Nursing**

*Office Information:*

336 HHS Building  
(828) 227-7467  
Website: [http://www.wcu.edu/learn/departments-schools-colleges/HHS/nursing/index.aspx](http://www.wcu.edu/learn/departments-schools-colleges/HHS/nursing/index.aspx)

*Dr. Sharon Metcalfe, Interim Director, School of Nursing*

[http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp](http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp) (search by department)

**Pre-Licensure Nursing**

Declaration of a major in pre-nursing does not guarantee admission into the program. Students must formally apply and be admitted into the program before beginning the
professional sequence of courses and/or proceeding into clinical placements. Admission to the upper-division nursing major is competitive, and priority is given to the best qualified students. Admission is based on cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program. For the most up to date information regarding these standards, refer to the Nursing program website.

**Minimum GPA Requirement:** 3.00

**When do students apply?** To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements. Applications from non-RNs are accepted twice per year. Refer to the nursing website (http://nursing.wcu.edu) for applicant deadlines.

**Required Pre-requisites:** To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements.

**Retention in the Program:** Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses which combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

**Accelerated Entry-Option For Second Degree Students - Pre-Licensure Nursing Track**

The accelerated 12-month option provides a fast track for students ready for a challenging transition to a career as a bachelor-of-science-educated registered nurse. The course requirements for the ABSN are the same as for the traditionally scheduled program, however the content is taught in a compressed format. The ABSN is designed for non-working, full-time students. The ABSN option is taught on the Enka campus of Asheville-Buncombe Community College. Admission is based on cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. An interview with ABSN Admissions Committee (scheduled after application is complete) is also required.

The "accelerated" pre-licensure entry-option, ABSN, is only for persons who
- Already have a bachelor's (or higher) degree in another discipline from an accredited college or university
- Have completed the prerequisites for the nursing major as listed on the website.
- Can commit to an intense 12-month course of study
- In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program
Minimum GPA Requirement: 3.0

When do students apply? Applicants are accepted twice per year. Refer to the nursing website (http://nursing.wcu.edu) for application deadlines.

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses which combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

RN to BSN Nursing Track

To be admitted to the program, students must satisfy the following admission prerequisites:
• A current, unrestricted license to practice as an RN in North Carolina (includes Compact states).
• A cumulative GPA of 2.5 or higher on all post-secondary courses.
• Completion of the School of Nursing course prerequisites and the WCU Liberal Studies requirements with grades of C or better.
• Accumulation of at least 60 semester non-nursing credit hours.
• The WCU Liberal Studies requirement is waived if student has a previous baccalaureate degree or an Associate of Arts or Associate of Science from a North Carolina Community College. An Associate of Applied Science degree does not waive this requirement.

• Retention in the Program: Students must maintain a cumulative GPA of 2.25 overall in the major and earn a grade of C (2.0) or better in each required course in the major in order to remain in the program.
• Students are expected to adhere to the technical and professional standards and safe practice policies of the program.
• For the most up to date information regarding standards, refer to the Nursing program website.
• See the Nursing program website for application deadlines.

The RN to BSN track is only for persons who

• Be able to adhere to the technical and professional standards and safe practice policies of the program. (For the most up to date information regarding standards, refer to the Nursing Program website.)
• Have completed WCU Liberal Studies requirements
• Have at least 60 semester hours not counting previous Nursing courses
• Desire the convenience of an on-line program (two required meeting per semester on the Enka Campus).

See the Nursing Program website for application deadlines.
Nursing, BSN Regionally Increasing Baccalaureate Nurses (RIBN) Program

Total number of hours for the program: 128.

The RIBN track provides a separate option for students desiring a career as a bachelor-of-science educated registered nurse. Students will be dual enrolled at WCU and a community college partner throughout the program and will be required to meet both schools’ programs and admissions requirements. Major prerequisites and nursing courses for the first three years of the program will be taken at a community college partner or transferring institution; students will complete the Liberal Studies Program per WCU requirements. Upper-level major nursing courses will be taken through the WCU School of Nursing.

Pre-Licensure Nursing

Declaration of a major in pre-nursing does not guarantee admission into the program. Students must formally apply and be admitted into the program before beginning the professional sequence of courses and/or proceeding into clinical placements admission to the RIBN program is competitive, and priority is given to the best qualified students.

Admission

Minimum GPA Requirement: 3.00 Admission is based on a minimum cumulative GPA of 3.0 on all previous undergraduate college work (or unweighted high school GPA if the student has completed less than 20 hours of college coursework) and applicable test scores. Students are expected to adhere not only to the technical and professional standards and safe practice policies of the program, but also the academic requirements explained below. For the most up-to-date information regarding these standards, refer to the nursing website, http://nursing.wcu.edu.

When do students apply? To be considered for admission, all students must have completed, or be in the process of completing, all admissions requirements (GPA and testing). Refer to the nursing website (http://nursing.wcu.edu) for application deadlines.

Required Prerequisites: Applicants must meet admission requirements for both the community college and university such as Certified Nursing Assistant certification, etc.

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses and demonstrate professional and safe nursing practice. In addition, courses that combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the nursing website, http://nursing.wcu.edu.

Traditional RIBN Program:
First Year (32 semester hours)

Community College Courses (26 hours)

Fall

Liberal Studies Perspectives course (3 hours)

Spring

- PSY 150 - General Psychology Credits: 3

Sophomore Year (40 Semester Hours)

Community College Courses (31 hours)

Fall

Liberal Studies Perspectives course (3 hours)

Spring

Liberal Studies Perspectives course (3 hours)

Summer

- NSG 346 - Pathophysiology for Nursing Credits: 3

Junior Year (32 semester hours)

Fall

Upper-level Perspectives course (3 hours)

Community College Courses (13 hours)

Spring

Upper-level Perspectives course (3)

Community College Courses (13 hours)

Senior Year (24 semester hours)
Fall

- NSG 302 - Community Health Nursing I: Theory **Credits:** 3
- NSG 305 - Community Health Nursing III: Intervention Project **Credits:** 1
- NSG 322 - Concepts of Geriatric Nursing **Credits:** 2
- NSG 327 - Essentials of Baccalaureate Nursing I **Credits:** 4
- NSG 384 - Community Health Nursing II: Practicum **Credits:** 2

Spring

- NSG 328 - Essentials of Baccalaureate Nursing II **Credits:** 3
- NSG 329 - Essentials of Baccalaureate Nursing Practicum **Credits:** 3
- NSG 471 - Nursing Research I: Research Process **Credits:** 2
- NSG 472 - Nursing Research II: Critical Reading **Credits:** 2
- NSG 473 - Nursing Research III: Clinical Application **Credits:** 2

*Refer to the nursing website for additional information www.ribn.wcu.edu*

Alternate entry RIBN program (aRIBN)

First year traditional RIBN curriculum is completed at the time of admission to the program. The applicant would be admitted to Year Two of the program to begin nursing courses at the partnering community college. The student would be dual enrolled through WCU to complete outstanding Liberal Studies courses during Years Two and Three of the program. The student would transition to the traditional Year Four curriculum as appropriate.

Inclusive/Innovative RIBN program (iRIBN)

The iRIBN applicant enters into the RIBN program at Year Two of the course of study at the community college with previous completion of Liberal Studies per university requirements. Previous course work should include WCU School of Nursing pre-requisite NSG 346. The iRIBN student would begin nursing courses at the community college and should select one of the two following course work plans as listed below:

**Option 1:**

**iRIBN Year 2**

Fall

- NSG 327 - Essentials of Baccalaureate Nursing I **Credits:** 4

Community College Courses (10 hours)
Spring

- **NSG 328 - Essentials of Baccalaureate Nursing II** Credits: 3
  Optional: Upper-level Perspective (if needed)

Community College Courses (10 hours)

Summer

Community College Courses (5 hours)

iRIBN Year 3

Fall

Upper-level Perspective (if needed)

Community College Courses (10 hours)

Spring

- **NSG 322 - Concepts of Geriatric Nursing** Credits: 2

Community College Courses (10 hours)

Summer

- Graduate from community college - Successfully complete NCLEX

iRIBN Year 4

Fall

- **NSG 302 - Community Health Nursing I: Theory** Credits: 3
- **NSG 305 - Community Health Nursing III: Intervention Project** Credits: 1
- **NSG 329 - Essentials of Baccalaureate Nursing Practicum** Credits: 3
- **NSG 384 - Community Health Nursing II: Practicum** Credits: 2
- **NSG 471 - Nursing Research I: Research Process** Credits: 2
- **NSG 472 - Nursing Research II: Critical Reading** Credits: 2
- **NSG 473 - Nursing Research III: Clinical Application** Credits: 2

Option 2:

iRIBN Year 2
Fall

- NSG 327 - Essentials of Baccalaureate Nursing I Credits: 4

Community College Courses (10 hours)

Spring

- NSG 328 - Essentials of Baccalaureate Nursing II Credits: 3
  Optional: Upper-level Perspective (if needed)

Community College Courses (10 hours)

Summer

Community College Courses (5 hours)

iRIBN Year 3

Fall

Upper-level Perspective (if needed)

Community College Courses (10 hours)

Spring

- NSG 322 - Concepts of Geriatric Nursing Credits: 2

Community College Courses (10 hours)

Summer

- Graduate from community college - Successfully complete NCLEX

iRIBN Year 4

Fall

- NSG 302 - Community Health Nursing I: Theory Credits: 3
- NSG 305 - Community Health Nursing III: Intervention Project Credits: 1
- NSG 384 - Community Health Nursing II: Practicum Credits: 2
- NSG 471 - Nursing Research I: Research Process Credits: 2
- NSG 472 - Nursing Research II: Critical Reading Credits: 2
• NSG 473 - Nursing Research III: Clinical Application Credits: 2

Spring

• NSG 329 - Essentials of Baccalaureate Nursing Practicum Credits: 3
  Upper-level Perspective (if needed)

Nursing, BSN Degree/Basic Curriculum Option

Pre-Licensure Nursing

Declaration of a major in pre-nursing does not guarantee admission into the program. Students must formally apply and be admitted into the program before beginning the professional sequence of courses and/or proceeding into clinical placements. Admission to the upper-division nursing major is competitive, and priority is given to the best qualified students. Admission is based on cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program. For the most up to date information regarding these standards, refer to the Nursing program website.

Admission

Minimum GPA Requirement: 3.00. Admission is based on cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. Students are expected to adhere to not only the academic requirements below but also the technical and professional standards and safe practice policies of the program. For the most up-to-date information regarding these standards, refer to the Nursing program website.

When do students apply? To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements. Applications from non-RNs are accepted twice per year. Refer to the nursing website (http://nursing.wcu.edu) for applicant deadlines.

Required Prerequisites: To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including program requirements.

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses which combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

Pre-Licensure Nursing accelerated option (ABSN)
The accelerated option provides a fast track for students ready for a challenging transition to a career as a bachelor-of-science-educated registered nurse. The course requirements for the ABSN are the same as for the traditionally scheduled program, however the content is taught in four contiguous semesters. The ABSN option is based at the Biltmore Park campus in Asheville. A holistic review process is utilized for selecting candidates for admission. Specific admission criteria is detailed on the nursing website.

Pre-licensure nursing accelerated option (ABSN) is only for persons who: • Already have a bachelor’s (or higher) degree in another discipline from an accredited college or university • Have completed the prerequisites for the nursing major as listed on the website. • In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program

Minimum GPA Requirement: 3.0 cumulative GPA from all undergraduate institutions.

When do students apply? Applicants are accepted once a year. Refer to the nursing website (http://nursing.wcu.edu) for application deadlines.

Retention in the Program: Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses which combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website.

Total number of hours for the program: 128.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Note:

Twelve hours of the Nursing Prerequisites below - three hours C2, six hours C5, and three hours P1 - will meet Liberal Studies requirements. The C2 and C4 requirements are met by taking the higher-level math and science courses listed. PSY 150 meets one of the P1 requirements, so students should make sure to take that class.

Nursing Major Prerequisite Requirements (20 hours)

Students should take all of the following:

- NSG 101 - Introduction to Professional Nursing Credits: 1
- BIOL 291 - Human Anatomy and Physiology I Credits: 4
- BIOL 292 - Human Anatomy and Physiology II Credits: 4
• CHEM 133 - Survey of Chemistry II Credits: 4
• ENVH 260 - Etiology of Infectious Diseases, Lecture Credits: 2
• ENVH 261 - Etiology of Infectious Diseases Laboratory Credits: 1
• MATH 130 - College Algebra Credits: 3 or higher-level math
• ND 338 - Normal and Therapeutic Nutrition Credits: 3
• NSG 346 - Pathophysiology for Nursing Credits: 3
• PSY 150 - General Psychology Credits: 3
  (or approved substitute)
Students should take one of the following:
• CHEM 132 - Survey of Chemistry I Credits: 4
• CHEM 139 - General Chemistry I Credits: 4
• CHEM 140 - General Chemistry II Credits: 4

Note: Twelve hours of Liberal Studies requirements - three hours C2, six hours C5, and three hours P1 - will be simultaneously met by nursing prerequisites.

Nursing Major Requirements (60 hours)

• NSG 310 - Foundations of Nursing Credits: 4
• NSG 311 - Foundations of Nursing Practicum Credits: 3
• NSG 312 - Nursing Assessment thru the Lifespan Credits: 3
• NSG 313 - Pharmacotherapeutics in Nursing Credits: 2
• NSG 314 - Nursing Informatics Credits: 1
• NSG 320 - Concepts of Adult Nursing Credits: 4
• NSG 321 - Adult Nursing Practicum Credits: 4
• NSG 322 - Concepts of Geriatric Nursing Credits: 2
• NSG 323 - Pharmacotherapeutics in Nursing II Credits: 2
• NSG 324 - Evidence Based Nursing Practice Credits: 2
• NSG 315 - Nursing Ethics and Health Policy Credits: 2
• NSG 410 - Concepts of Adult Nursing II Credits: 4
• NSG 411 - Adult Nursing II Practicum Credits: 4
• NSG 412 - Concepts of Maternal/Child Nursing Credits: 4
• NSG 413 - Maternal/Child Nursing Practicum Credits: 3
• NSG 414 - Advanced Technology & Pharmacotherapeutics Credits: 1
• NSG 422 - Concepts of Community/Mental Health Nursing Credits: 4
• NSG 423 - Community/Mental Health Nursing Practicum Credits: 4
• NSG 424 - Concepts of Nursing Leadership in Management Credits: 2
• NSG 420 - Synthesis of Nursing Concepts Credits: 2
• NSG 421 - Synthesis of Nursing Practicum Credits: 3

Electives (6 hours)
General electives (six hours) are required to complete the program, depending on liberal studies courses chosen. Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/HHS/nursing/index.aspx to view the eight-semester curriculum guide.

Social Work

Office Information:

322 HHS Building
(828)227-7112
Website:  http://www.wcu.edu/learn/departments-schools-colleges/HHS/socw/

Dr. Pat Morse, Department Head

http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

The social work program is accredited by the Council on Social Work Education, and its principal educational goal is to prepare students for beginning generalist social work practice.

Social Work, BSW

The undergraduate program offers a Bachelor of Social Work (BSW) degree as preparation for many careers from public service to work in the private sector. The undergraduate social work program is accredited by the Council on Social Work Education (CSWE), and its principal educational goal is to prepare students for beginning generalist social work practice.

Liberal Studies (42 hours)

Liberal Studies Program Requirements

Admission & Retention Information

Declaration of a major in social work does not guarantee admission to the program. Students are eligible to apply for admission when they have attained an overall 2.80 GPA, have completed 35 credit hours, and in addition, have completed SOCW 151, SOCW 251, and SOCW 253 (or be enrolled in SOCW 251 and SOCW 253). Students must maintain an overall 2.80 GPA each semester after admission to remain in the program. Students must complete an online application for admission to the program. Applications are accepted during October and February of each semester. The application and directions for the application process are located at the following link: https://wcu.az1.qualtrics.com/jfe/form/SV_6x2w3lGY7FXBiftf
The application and directions for the application process are located on the department's website. A student in the Social Work program must maintain an overall GPA of 2.8 and adhere to the professional and technical standards of the program. All social work required courses must have a grade of 'C' or above to earn credit for the course. Students must adhere to the university maximum grade replacement allowance however, only one Social Work course is eligible for grade replacement per required Social Work course. For information on these standards and information regarding admission and termination from the program, refer to the department's website https://www.wcu.edu/learn/departments-schools-colleges/HHS/socw/bsw/index.aspx.

BSW Major Requirements

42 hours Liberal Studies + 67 hours Social Work Required Courses + 11 hours General Electives = 120 hours

Social Work Curriculum: 67 hours

A grade of C (2.0) or better is required in the following courses:

- BIOL 104 - Human Biology Credits: 3
- PSC 101 - American Government and Politics Credits: 3
- PSY 150 - General Psychology Credits: 3
- SOCW 151 - Introduction to Social Work Credits: 3
- SOCW 251 - Social Issues, Policy and Programs Credits: 3
- SOCW 253 - Practice I: Interviewing and Ethics Credits: 3
- SOCW 334 - Human Behavior and the Social Environment: Life Stages Credits: 3
- SOCW 335 - Social Work Research and Evaluation Credits: 3
- SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment Credits: 3
- SOCW 360 - Social Work Practice II: Case Management Credits: 3
- SOCW 362 - Practice III: Interventions Credits: 3
- SOCW 364 - Community Practice Credits: 3
- SOCW 396 - Field Preparation and Professional Development Credits: 1
- SOCW 402 - Diversity in Contemporary Society Credits: 3
- SOCW 435 - Social Work Research & Evaluation II Credits: 3
- SOCW 486 - Field Practicum Credits: 12
- SOCW 496 - Field Practicum Seminar Credits: 3

Social Work Electives: 9 Hours

General Electives: (11-20 hours)
To complete 120 hours, students should take 11 or more hours (number depends on how many Liberal Studies courses also count toward the major). To satisfy general university degree requirements, students must take at least 25 percent of their class hours at the junior-senior level at WCU.

The Social Work Program has been continuously accredited by the Council of Social Work Education (CSWE) since 1974.

**Communication Sciences and Disorders, Minor**

**Minor Requirements**

The Communication Sciences and Disorders minor requires 21 hours, including all the following courses:

- CSD 270 - Introduction to Communication Disorders **Credits:** 3
- CSD 301 - Speech and Language Development **Credits:** 3
- CSD 370 - Phonetics **Credits:** 3
- CSD 372 - Acoustics and Speech Science **Credits:** 3
- CSD 380 - Anatomy and Physiology of the Speech Mechanism **Credits:** 3
- CSD 450 - Introduction to Audiology **Credits:** 3
- CSD 472 - Aural Rehabilitation **Credits:** 3

**Environmental Health, Minor**

Total number of hours for the program: 16.

A minor in environmental health requires 16 hours of Environmental Health courses. At least six hours must be at the junior/senior level. ENVH 190 is not a valid course for the minor.
Honors College

Office Information

101 Balsam Hall
(828) 227-7383
Website: honors.wcu.edu

Jill Nelson Granger, PhD, Dean
April Tallant, PhD, Associate Dean
Emily Sharpe, MA, Director of Honors Advising and Honors Pre-Professional Advising
Colin Townsend, MA, Honors Advisor
Karina Robertson, BA, Executive Assistant

The College serves approximately 1,300 students and manages programs that are open to all undergraduates at Western Carolina University. The Honors College is a student-centered enterprise that enhances the educational experience for high-achieving students, encourages innovative teaching, learning, and curriculum development; serves students and faculty across all disciplines, and encourages and supports undergraduate research, service, and internship. Of special emphasis is The Honors Path, an educational framework designed to help Honors students make the most of their abilities.

Honors College Benefits. Honors students are invited to live in Balsam or Blue Ridge Halls. Honors students also benefit from a special diploma (see "Honors College Diploma" below), priority registration, access to Honors courses, and special library privileges. Social events put on by The Honors College Student Board of Directors, such as dances, lectures, parties, special trips, or tournaments, are open to all Western Carolina University students.

Admission for First-Year Students. To be considered for The Honors College, incoming first-year students must have a high school record that meets at least one of these standards:

- Weighted 4.2 GPA
- 3.8 unweighted GPA
- 1870 SAT (three-part score if test taken before March 2016) or 1310 SAT (if test taken after March 2016)
- 30 ACT
- or top 10 percent of the high school class.

In addition first-year students who achieve a 3.50 GPA or above on at least 15 credit hours in the first semester at Western Carolina University may apply to join The Honors College. After the first semester, students who have at least a cumulative 3.5 GPA are welcome to meet with the Dean to be considered for admission on a case-by-case basis.

Admission for Transfer Students. Transfer students who have a cumulative 3.5 GPA from an accredited college or university are encouraged to apply for admission to The Honors College.
To Remain in The College. Honors students must maintain a 3.30 cumulative GPA at 1 to 30 credit hours and, a 3.40 cumulative GPA at 31 to 60 hours, and they must have a 3.50 cumulative GPA above 60 hours until graduation while typically carrying at least 15 credit hours per semester. Until completing the required 24 Honors hours for the diploma, Honors students must earn at least three (3) hours of Honors credit each semester; students lacking at least three (3) Honors hours will be put on probation after the first term, and then removed from The Honors College if three (3) Honors hours are not completed by the end of the second term. Students who intend to carry fewer than 15 credit hours in a given semester should petition The Honors College for approval. A student who is dropped from The Honors College may be reinstated if the cumulative GPA is brought up to an acceptable level. Students dropped from The Honors College due to a lack of Honors hours per term must petition to be reinstated and may be allowed to register for Honors courses or do Honors contracts to return to good standing in the College.

Advising. Honors students who have not yet declared a major or are changing majors are advised by an Honors advisor. Honors students who have declared a major are advised by a faculty member in the major department. For questions related to The Honors College or its programs, students are welcome to meet with an Honors advisor or the Dean.

Earning Honors College Credits. Honors students do not take extra hours to earn the College diploma; they do enroll in special Honors classes, usually in the Liberal Studies Program, to earn the hours needed for the College diploma. At the major level, Honors students may arrange for an Honors contract with the instructor of the course (this is a one-on-one project worked out between the student and the instructor) to earn Honors credit. Contract forms are available at the Honors College office or on The Honors College website. Transfer students who have Honors credit from other institutions must meet with the Dean to determine how Honors credits will be accepted at Western Carolina University. Honors students who travel abroad may earn Honors hours for the experience by working out a special Honors contract with the Dean before they travel.

The Honors College Diploma. The diploma, available in any major at Western Carolina University, is a special honor, a signal of high achievement to employers and graduate-school admissions officers. Honors College students must complete 24 Honors hours and have at least a 3.50 cumulative GPA upon graduation to receive the diploma. Graduation from The Honors College will be designated on the transcript. Honors Scholars are the only students who wear the silver Honors Scholar Medallion at commencement.

Honors College Interdisciplinary Studies Degree. Since 2004, Honors students have had the option to get expedited approval for Interdisciplinary Studies degrees. Interdisciplinary-Studies Honors students may complete Honors requirements and graduate with The Honors College diploma.

To gain approval for an Interdisciplinary Studies degree, the Honors student must do all of the following:

1. Begin the process by consulting with the Honors Dean to identify a primary advisor
2. Work with the primary advisor to create an Interdisciplinary Studies degree proposal, which will include the completed Interdisciplinary Studies Program Form for Honors Students with all required signatures; a list of all courses needed to reach 120-128 total hours for the degree (including Liberal Studies); and a one-page statement from the student that explains how the proposed Interdisciplinary Studies degree will meet that student's post-graduate professional plans (career or graduate school).

3. Follow the plan and all courses required, once the Interdisciplinary Studies degree is approved to graduate.

For more information or to get started, contact the Dean at 828-227-7383.

Center for Life Enrichment (CLE) Honors Scholar Program. Begun in fall 2013, this program is designed for exceptional students who are interested in preparation and sponsorship for prestigious national or international scholarships (for example, the Fulbright, Goldwater, Truman, or Rhodes).

Admission and Scholarship

Honors Scholars can only be admitted as first-year students to WCU. The program should not exceed 40 students in any given year and is therefore selective, typically admitting only 10 new students each year.

To be considered for admission, Honors Scholars must meet at least one of the following criteria (meeting all criteria will be the most likely profile for students admitted to the program):

1. Minimum 3.90 unweighted cumulative High School GPA.
2. If there is a weighted cumulative High School GPA, it must be at least 4.50.
3. At least a combined (all three scores) SAT of 1900
4. At least a 30 composite ACT score.

As part of the admissions process, students must also complete a successful interview. As a first step for admission, prospects must be invited for an interview. Only Students admitted to WCU's Honors College can apply to the Honors Scholar Program.

All students admitted to the Honors Scholar Program will receive, each year for up to four years, a substantial scholarship that will be applied toward housing expenses on or off campus.

To retain the scholarship each year, students must remain in good standing in the Honors Scholar Program.

Good Standing in the Program

CLE Honors Scholars must maintain all of the following:

- A 3.50 cumulative WCU GPA at the end of the first chronological year,
- A 3.60 cumulative WCU GPA at the end of the second chronological year,
- A 3.70 cumulative WCU GPA in the third and fourth chronological years.
Beginning for the class entering in fall 2016, Honors College Scholars must also complete both of the following:

- USI 101 (Honors Forum), a one-hour course
- A specially designated three-hour English course to prepare students to apply for prestigious scholarships, fellowships, and graduate schools.

**Special Programming for Honors Scholars**

The CLE Honors Scholar Endowment Fund provides support for special opportunities that will help scholars attain prestigious awards and graduate school admission (support for study abroad or special internships, for example).

The fund was initiated by the Center for Life Enrichment of Highlands, NC. CLE is a non-profit organization dedicated to enriching the educational experience of western North Carolina, with emphasis in Highlands, Cashiers, and Cullowhee.

**Pre-Professional Programs:** Honors college students can avail themselves of special advising to prepare for professional programs such as Pre-Medicine, Pre-Pharmacy, Pre-Law, Pre-Veterinary Medicine, Pre-Physical Therapy, Pre-Dental, Pre-Optometry, Pre-Physician's Assistant, Pre-Occupational Therapy, Pre-Chiropractic.

Honors students who attend the University to prepare for admission into a professional school are provided with a variety of options for the programs they may pursue. Students should make decisions early in their undergraduate career regarding preparation for professional school. Most professional school programs, with some exceptions, now require a bachelor's degree for admission. To make wise decisions regarding undergraduate prerequisite courses and selecting an undergraduate major, Honors students should contact a professional advisor in The Honors College and indicate they are interested in a Pre-Professional Program. They can call (828) 227-3277, email easharpe@wcu.edu, come by The Honors College offices in Balsam Hall, or visit The Honors College Pre-Professional Program webpage. Additional information about Pre-Professional Programs can be found on the Pre-Professional Programs website.

**Undergraduate Research.** The Honors College awards Undergraduate Academic Project Grants to support supplies or travel related to student research and creative/performance projects. All undergraduate students at the university are eligible to apply. In addition, The Honors College works with other units in Academic Affairs to coordinate the annual campus-wide showcase of student and faculty research, The Research and Scholarship Celebration, and to support student research presentations at the National Conference for Undergraduate Research. Honors students also work with a member of the English faculty to write, design, and publish WCU's undergraduate research magazine, *Imagine*. Please contact the Associate Dean for more information about these programs at (828) 227-7383 or check The Honors College Undergraduate Research webpage.
The Graduate School

Dr. Mimi Fenton, Dean

Dr. Brian Kloeppe, Associate Dean

The Graduate School at Western Carolina University awarded its first graduate degrees in 1952. Since that time, it has continuously broadened its offerings. Programs offered by the Graduate School lead to master's degrees, specialist degrees and doctoral degrees. Information about the Graduate School can be found at grad.wcu.edu.
The Register

History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Western Carolina University is one of the sixteen constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the North Carolina General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of The University of North Carolina was at Chapel Hill.

In 1877, the North Carolina General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate Native Americans. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the North Carolina General Assembly redefined The University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, The University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the North Carolina General Assembly passed legislation bringing into the University of North Carolina the state's 10 remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current sixteen-campus university. In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university; and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.

The UNC Board of Governors is the policy-making body legally charged with the general determination, control, supervision, management, and governance of all affairs of the constituent institutions. It elects the president, who administers the university. The thirty-two voting members of the Board of Governors are elected by the North Carolina General Assembly for four-year terms. Former board chairmen and board members who are
former governors of North Carolina may continue to serve for limited periods as non-voting members *emeriti*. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves *ex officio*. The North Carolina School of the Arts has two additional ex officio members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

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Western Carolina University

Western Carolina University was founded in August 1889 as a semi-public school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution's founder, the aim of the school was teacher training. In 1893, with the first state appropriation of $1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for twenty years.

Beginning about 1912, the status of the school was gradually raised to that of a two-year normal school or junior college. With state support increasing and work at the secondary level discontinued, the name of the school was changed in 1925 to Cullowhee State Normal School.

In 1929, under a new charter authorizing the school to extend its work to the four-year level, the name Western Carolina Teachers College was adopted. Modifications in function and rapid growth climaxed in 1951 with the addition of the postgraduate year to the curriculum, and the granting of the Master of Arts in Education degree was authorized. Demands in the liberal arts, and for programs in other areas of learning, led to an expansion of its offerings and to a further change, in 1953, to the name Western Carolina College.

In 1967, the institution was designated a regional university by the North Carolina General Assembly and the name of the institution was changed to Western Carolina University.

In 1971, the state legislature reorganized higher education in North Carolina, and on July 1, 1972, Western Carolina University became a constituent institution of The University of North Carolina.

In 1996, Western Carolina University was approved by the University of North Carolina- General Administration and the Southern Association of Colleges and Schools to offer the Doctoral degree in education.
Board of Trustees

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Course Information

Accounting

ACCT 161 - Accounting for the Non-Business Major

The basic accounting cycle, financial statements; uses of accounting in business and non-business organizations. Not open to students seeking the BSBA degree. Credits 3

ACCT 195 - Introduction to Fraud Examination

Overview of occupational fraud, including fraud theory, prevention, detection, and investigation. Emphasis on personal ethics, individual responsibility, and societal effects: past, present, and future. Credits 3

ACCT 251 - Financial Accounting - A User Perspective

Financial accounting presented from a user perspective with a focus on decision making. Reading and comprehending an annual report. Credits 3

ACCT 252 - Using Accounting Information for Management Decisions

Use of the accounting information to manage, measure, and improve the performance of a company, and to make decisions about future operations. Prerequisites ACCT 251. Credits 3

ACCT 275 - Intermediate Accounting I

Accounting theory in financial statements, valuation and present value concepts, and current assets. Prerequisites ACCT 251 with a minimum grade of C. Credits 3

ACCT 293 - Topics in Accounting

Topics in Accounting. Credits 1-3, R3

ACCT 301 - Financial Statement Analysis

Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. Co listed with FIN 301. Prerequisites ACCT 275. Credits 3

ACCT 330 - Fraud Examination

Overview of occupational fraud, including fraud theory, prevention, and investigation. Emphasis on fraudulent financial reporting. Prerequisites ACCT 275. Credits 3

ACCT 352 - Intermediate Accounting II

Theory applied to investments, current and long-term liabilities, leases, income taxes, pensions, and shareholders' equity. Prerequisites ACCT 275 with a minimum grade of C. Credits 3
ACCT 355 - Introduction to Income Taxation

Federal income taxation of individuals and sole proprietors, gross-income inclusions and exclusions, business and employee deductions, property transactions, capital gains and losses, and cost recovery. Prerequisites ACCT 161 or 251. Credits 3

ACCT 356 - Cost Accounting

Budgeting, systems design, responsibility accounting and motivation, standard costing, variance analysis, cost behavior patterns, relevant costs, contribution analysis, and income effects of costing alternatives. Prerequisites ACCT 252. Credits 3

ACCT 361 - Not-For-Profit Accounting

Accounting principles as applied to governmental agencies and other nonprofit organizations. Prerequisites ACCT 252. Credits 3

ACCT 365 - Accounting Information Systems

Accounting information systems with an emphasis on business processes, transaction initiation and recording, and internal controls. Relevant technology will also be covered. Prerequisites ACCT 275 with a minimum grade of C. Credits 3

ACCT 389 - Cooperative Education in Accounting

See Cooperative Education Program. Credits 1 or 3, R15

ACCT 454 - Auditing

Theory, practice, and procedures in auditing; standards, professional ethics, and internal controls. Prerequisites ACCT 275. Credits 3

ACCT 480 - Independent Research in Accounting

Independent Research in Accounting. Prerequisites Accounting major; permission of department head. Credits 3

ACCT 483 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. Prerequisites Junior standing; formal application; permission of accounting internship coordinator. Credits 1-3, R6

ACCT 484 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. Prerequisites Junior standing; formal application; permission of accounting internship coordinator. Credits 1-3

ACCT 485 - Accounting Internship

A full-time work situation providing in-depth experience in accounting practices. S/U grading. Prerequisites Junior standing; formal application; permission of accounting internship coordinator. Credits 1-3

ACCT 493 - Topics in Accounting
Topics in Accounting. **Prerequisites** Permission of department head. **Credits** 1-3, R6

**ACCT 495 - Senior Seminar**

Contemporary issues facing accountants in managerial decision-making responsibilities. Comprehensive evaluation of information used for decisions with strategic implications for the company. **Prerequisites** ACCT 352 and Senior standing. **Credits** 3

**Anthropology**

**ANTH 110 - Origins of Civilization**

Survey of human and cultural development from the earliest hominids to the advent of ancient civilizations. (P1). **Credits** 3

**ANTH 120 - Comparative Cultural Systems**

Analysis and comparison of the major features of diverse human cultures. (P6). **Credits** 3

**ANTH 251 - Introduction to Forensic Anthropology**

A survey of the forensic applications of the human skeleton and related aspects of death investigation. **Credits** 3

**ANTH 300 - Human Osteology**

An examination of the human skeleton focusing on bone anatomy. **Credits** 3

**ANTH 320 - Experimental Archaeology**

Hands-on experiential learning course in which students design, conduct, and assess the outcomes of experiments that explore aspects of archaeological data and past human behavior and technology. **Prerequisites** ANTH 110. **Credits** 3

**ANTH 327 - Economy and Society**

Types of economic systems examined and compared; emphasis on preindustrial and industrializing societies. **Prerequisites** ANTH 120. **Credits** 3

**ANTH 333 - Medicolegal Death Investigation**

This surveys the various disciplines involved in medicolegal death investigation as well as death investigation process itself, primarily from the role of a medicolegal death investigator (MLI). **Prerequisites** ANTH 251. **Credits** 3

**ANTH 341 - History of Anthropological Theory**

Concepts, theories, and schools of thought in historical context; contributions to contemporary anthropology. **Prerequisites** ANTH 110, 120. **Credits** 3

**ANTH 342 - Death, Decay, and Deconstruction**

An examination of the status and future of the field of forensic anthropology from legal, ethical, structural, and theoretical perspectives. **Prerequisites** ANTH 110 and ANTH 251. **Credits** 3

**ANTH 349 - Applied Anthropology**
Examination of problems and solutions in programs of directed social and cultural change; case studies. Prerequisites ANTH 120. Credits 3

ANTH 350 - Linguistic Anthropology

Overview of the subdiscipline focusing on descriptive linguistics, historical linguistics, language and culture, and sociolinguistics. Prerequisites ANTH 120. Credits 3

ANTH 351 - Environmental Anthropology

Relationships between physical environment and culture; non-physiological means of environmental adaptation. Prerequisites ANTH 110, 120, or SOC 103. Credits 3

ANTH 360 - Primates

The biology and behavior of the non-human living primates. Prerequisites ANTH 110 or permission of instructor. Credits 3

ANTH 361 - World Prehistory

Examination of prehistoric cultural developments and the advent of modern civilization in major world areas. Credits 3

ANTH 362 - Southeastern Archaeology

Archaeological sites and materials provide primary evidence for discussing the Native peoples of the Southeastern United States. Interpretations of Native cultures will be critiqued. Prerequisites ANTH 110. Credits 3

ANTH 363 - Human Origins

Examination of the human, hominid, and primate fossil records. Prerequisites ANTH 110 or permission of instructor. Credits 3

ANTH 365 - Religion, Magic, Myth

Nonliterate religious tradition and ritual behavior; life-crisis rituals, secret societies, magic and witchcraft, notions of divinity. Prerequisites ANTH 120. Credits 3

ANTH 367 - Dental Anthropology

Anatomy, development, and functions of teeth and interpretation from forensic and archaeological contexts. Credits 3

ANTH 368 - Bioarchaeology

A survey of the study of human remains from archaeological contexts. Prerequisites ANTH 110. Credits 3

ANTH 370 - Human Biological Variation

A survey of the range and interpretation of biological variation in humans. Prerequisites ANTH 110. Credits 3

ANTH 373 - Anthropological Research Methods

This course is meant to serve as an introduction to reading and performing
anthropological research. This course will discuss statistics, the scientific method, ethical research design, professional writing, and dissemination of research. **Prerequisites** ANTH 110; ANTH 120 **Credits** 3

**ANTH 379 - Cherokee Arts and Crafts**

Present-day Cherokee skills of woodcarving, basketry, pottery making, and other parts of Cherokee culture and society. This course is cross-listed with ART 379. 1 Lecture, 5 Lab. **Credits** 3

**ANTH 380 - Ethnographic Research Methods**

Theory and method; techniques of observation, description, interviewing, note taking, and analyzing data; planning and completing a field study. This course is cross-listed with SOC 380. **Prerequisites** ANTH 120 or SOC 103. **Credits** 3

**ANTH 400 - Human Osteology Method & Theory**

An in-depth examination of the analytical and theoretical aspects of human osteology with an emphasis on forensic applications. **Prerequisites** ANTH 300. **Credits** 3

**ANTH 401 - Bone Trauma & Modification**

A study of bone trauma and postmortem modification to bone. **Prerequisites** ANTH 300 or permission of instructor. **Credits** 3

**ANTH 402 - Skeletal Analyses**

Human skeletal documentation, data collection, interpretation, and report writing. **Prerequisites** ANTH 110 and 300. **Credits** 3

**ANTH 403 - Taphonomy**

The study of biological, cultural, and geological variables that affect the deposition and decomposition of human remains. **Prerequisites** ANTH 110 and 300. **Credits** 3

**ANTH 405 - Archaeology of Death**

Archaeological study of past funerary practices to understand how archaeologists have interpreted them and why burials were performed the way they were. **Prerequisites** ANTH 110. **Credits** 3

**ANTH 406 - Advanced Osteology**

Advanced study of the human skeleton, focusing on features, landmarks, non-metric traits, pathology, fragmentary elements, and distinguishing human from non-human bone. **Prerequisites** ANTH 300. **Credits** 3

**ANTH 414 - Minority Groups**

Relations between dominant and subordinate races and ethnic groups; historical, economic, and cultural aspects are considered. *Not available as a P1 for Sociology majors. Cross listed with Sociology 414. (P1).* **Credits** 3

**ANTH 417 - Southern Appalachian Culture**
Stability and change in the sociocultural institutions of the region. Prerequisites ANTH 120 or SOC 103. Credits 3

ANTH 419 - Comparative Family

The family as a social institution in various cultures. Prerequisites ANTH 120 or SOC 103. Credits 3

ANTH 421 - Cherokee Archaeology

Explores the archaeology and indigenous cultural history of the southern Appalachian region, with particular focus on the Cherokee Indian experience. Emphasizes the roles of indigenous archaeologies and collaboration with descendant communities in scientific inquiry, and uses oral tradition, documentary evidence, and archaeological data to produce nuanced perspectives on Cherokee culture. Prerequisites ANTH 110 and at least junior standing or instructor approval. Credits 3

ANTH 431 - North American Prehistory

Cultural history of the peoples of prehistoric North America, including Mexico. Prerequisites ANTH 110. Credits 3

ANTH 440 - Archaeological Field Techniques

Basics of field work; surveying, photography, excavation, recording, and preservation techniques. Prerequisites Permission of instructor. Credits 6

ANTH 441 - Archaeological Problems and Analyses

Experience in collecting and analyzing relevant archaeological data. Prerequisites Permission of instructor. Credits 3

ANTH 450 - Endangered Languages and Language Revitalization

This course provides an overview of the causes of language loss and attempts to revitalize indigenous languages in danger of no longer being spoken. Students will develop a broad knowledge of the issues that confront minority language communities, particularly Native American communities, who want to maintain and/or restore their indigenous languages and cultural practices. Students will make observational site visits to local Cherokee language revitalization programs and events. Prerequisites ANTH 120 or permission of instructor. Credits 3

ANTH 461 - Indians of North America

Traditional and changing life styles of native North Americans; environmental adaptations, social organizations, religions, and arts. Prerequisites ANTH 120. Credits 3

ANTH 465 - Cultures of Latin America

Cultural and historical perspectives on the political relations, social structures, and religions of the indigenous peoples of the region. Prerequisites ANTH 120. Credits 3

ANTH 466 - Folklore
Major forms, theories, and functions of lore among the world's cultures; collection, classification, and analysis of folklore. **Prerequisites** ANTH 120 or permission of instructor. **Credits** 3

**ANTH 473 - Contemporary Cherokee Culture and Society**

Present-day Cherokee culture and society; effects of tourism and the reservation system on life styles. **Prerequisites** ANTH 120. **Credits** 3

**ANTH 481 - Independent Study in Anthropology**

Independent Study in Anthropology. **Prerequisites** Written application, approval of instructor and adviser. **Credits** 1-3, R6

**ANTH 483 - Anthropology Internship**

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits** 3

**ANTH 484 - Anthropology Internship**

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits** 3

**ANTH 485 - Anthropology Internship**

Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to three hours. S/U grading. Nine hours per week per course. **Credits** 3

**ANTH 486 - Field Recovery of Human Remains**

Fundamentals of the field recovery of human remains; survey, photography, excavation and recovery, and processing. **Prerequisites** ANTH 110, 251, 300, or permission of instructor. **Credits** 6

**ANTH 487 - Forensic Anthropology Practicum**

An active learning experience designed to enhance student understanding of professional practice in forensic anthropology. **Prerequisites** ANTH 110, ANTH 120, and one ANTH 400 level elective. **Credits** 3

**ANTH 493 - Topics in Anthropology**

Topics in Anthropology. **Prerequisites** Permission of instructor. **Credits** 3, R6

**Art**

**ART 103 - Art in Society**

Examination of recurring visual forms in historic context as expressions of cultural values and aspirations. **Credits** 3

**ART 104 - Introduction to the Visual Arts**

An analysis of artists and their works, forms and methods of visual expression, and examination of critical
thinking as applied to visual form and content. (P5). Credits 3

**ART 124 - Beginning Ceramics**

Introduction to clay forming, firing, and glazing techniques for non-majors. 2 Studio. Credits 1

**ART 131 - Introductory Drawing**

Foundation course emphasizing mark making as a way of seeing and organizing ideas, using both perceptual and conceptual approaches. Exit portfolio required. 6 Studio. Credits 3

**ART 132 - Two-Dimensional Design**

Foundation course developing creative 2-D visual thinking and problem solving with connections to theory, criticism and practice. Exit portfolio required. 6 Studio. Credits 3

**ART 136 - Art History Survey I**

Ancient, medieval, and non-European art. Credits 3

**ART 137 - Art History Survey II**

Western art, Renaissance through modern. Credits 3

**ART 142 - Three-Dimensional Design**

Foundation course focusing on traditional and experimental 3-D techniques and media, using theory and criticism as problem-solving approaches. Exit portfolio required. 6 Studio. Credits 3

**ART 191 - Integral Arts**

Exploring the integral nature of art as how we live, record our life and world, and imagine our future. Open to majors within the College of Fine and Performing Arts, others by permission of the Director of the School of Stage and Screen. Credits 3

**ART 231 - Life Drawing**

Drawing from observation, with an emphasis on the human figure, working with live models. 6 Studio. Prerequisites ART 131. Credits 3

**ART 233 - Introductory Painting**

Emphasis on color theory and the materials and techniques of painting. Historical concerns are integral parts of directed and individual investigations. 6 Studio. Prerequisites ART 131, 132 or permission of instructor. Credits 3

**ART 234 - Introductory Printmaking**

Materials and methods of various printmaking techniques as they relate to historical and contemporary issues. 6 Studio. Prerequisites ART 131, 132 or permission of instructor. Credits 3

**ART 241 - Introductory Sculpture**

Principles and processes of sculpture, supported by critical thinking, class critique, historical, and contemporary references. 6 Studio. Prerequisites ART 131 and 142 or permission of instructor. Credits 3

**ART 251 - Introductory Ceramics**
Basic principles of ceramics: technical, critical, and historical. 6 Studio. **Credits** 3

**ART 270 - Communication Design**

Principles of visual communications including structure, typography, color, and semantics; emphasis on developing an understanding of the scope of graphic design including theory, practice, and technology. 6 Studio. **Prerequisites** ART 132. **Credits** 3

**ART 271 - Interactive Media**

Interactive Media introduces students to the concepts and techniques used in designing and producing interactive projects that include digital imaging, web design, and animation. **Prerequisites** ART 132. **Credits** 3

**ART 330 - Drawing II**

The history and functions of drawing; drawing as a method of developing ideas and as an end itself; relationship to other media. 6 Studio. **Prerequisites** ART 131. **Credits** 3, R12

**ART 333 - Painting II**

Materials, techniques, and aesthetic issues of painting in contemporary and abstract modes with focus on personal interpretation and perception. 6 Studio. **Prerequisites** ART 233. **Credits** 3, R12

**ART 334 - Printmaking II**

Exploration of various printmaking techniques with focus on personal interpretation and perception. 6 Studio. **Prerequisites** ART 234. **Credits** 3, R12

**ART 342 - Sculpture II**

Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract modes with focus on personal interpretation and perception. 6 Studio. **Prerequisites** ART 241. **Credits** 3, R12

**ART 351 - Ceramics II**

Study of ceramics within a historical and contemporary context; emphasis on clay-forming techniques combined with class discussion and criticism. 6 Studio. **Prerequisites** ART 251. **Credits** 3, R12

**ART 359 - Introductory Book Arts**

Principles and techniques for producing handmade books, including papermaking, bookbinding, and printing. Exploration of books as a format for developing concepts and imagery. 6 Studio. **Credits** 3

**ART 363 - Art for Children**

Fundamentals for designing and implementing lessons to teach art to children in all educational settings. Teaching diverse multicultural populations discussed. 4 Studio. **Credits** 1

**ART 367 - History and Philosophy of Art Education**
A study of art education as influenced by educational, philosophical, and socioanthropological developments throughout history. **Credits** 3

**ART 371 - Graphic Design I**

In-depth examination into the visual communications and its various modes of expressions. Emphasis on personal exploration of media, research, critical thinking, and demonstration of technical skills. **Prerequisites** ART 270 and ART 271. **Credits** 3

**ART 372 - Introductory Photography**

Camera operation, film processing, and darkroom printing combined with classroom critiques; emphasis on historical and current trends of black and white photography. 6 Studio. **Credits** 3

**ART 374 - Typography I**

Comprehensive analysis of letter forms, structural arrangements, and expressions through computer generated and traditional typographic procedures; emphasis on theoretical and practical aspects of applied typography. 6 Studio. **Credits** 3

**ART 377 - Painting III**

Exploration of abstract or figurative modes of painting with a focus on the development of an individual direction. **Prerequisites** ART 333. **Credits** 3

**ART 378 - Life Drawing III**

Students will develop advanced individual drawing styles while using the human figure as a model. **Prerequisites** ART 231. **Credits** 3

**ART 379 - Cherokee Arts and Crafts**

Present-day Cherokee skills of woodcarving, basketry, pottery making, and other parts of Cherokee culture and society. This course is cross-listed with ANTH 379. 1 Lecture, 5 Lab. **Credits** 3

**ART 380 - Ceramics III**

Advanced study in one aesthetic direction with a focus on solving technical and presentation concerns. **Credits** 3

**ART 381 - Sculpture III**

Advanced study in one aesthetic direction with a focus on solving technical and presentation concerns. **Prerequisites** ART 342. **Credits** 3

**ART 389 - Cooperative Education in Art**

See Cooperative Education Program. **Credits** 1 or 3, R15

**ART 401 - Art of World Cultures**

The course covers traditional and contemporary arts and crafts of a specific culture. **Credits** 3

**ART 402 - Asian Art and Visual Culture**
Explores traditional art forms and visual culture from five regions of Asia: Southern Asia, Southeast Asia, Himalayan Asia, Middle Eastern Asia, and Far East Asia. Students will learn about the historical context and philosophical underpinnings of regionally-based aesthetic stances. Credits 3

**ART 404 - Greco Roman Art**

Development of art and architecture of Greek and Minoan civilizations through the Hellenistic period, and of Roman art from the Republic through the Empire. Prerequisites ART 136. Credits 3

**ART 405 - History of Photography**

Study of modern photography starting with early developments in the Renaissance through digital work. Prerequisites ART 137. Credits 3

**ART 406 - Renaissance Art**

The Renaissance in Italy and northern Europe; major trends and personalities in art and architecture. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 409 - Seventeenth- and Eighteenth-Century Art**

Major baroque and rococo artists, architects, landscape, and urban designers in Europe. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 411 - Ceramics IV**

Advanced wheel-throwing and hand-building techniques. Prerequisites ART 380. Credits 3

**ART 412 - Nineteenth-Century Painting**

Major figures and styles in European painting. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 414 - American Art**

From colonial limners to contemporary art. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 416 - Contemporary Art**

Contemporary directions in the visual arts since 1945; emphasis on trends during the past five years. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 417 - Modern Sculpture**

Academic sculpture in the nineteenth century: Modernist innovations from Rodin to David Smith. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 418 - Development of Modern Art: Painting, Sculpture, and Architecture**

From Manet, Rodin, and Richardson to Post-Modernism in painting, sculpture, and architecture. Prerequisites ART 137 or permission of instructor. Credits 3

**ART 419 - History of Design**
Survey of the development of graphic design from prehistory through contemporary visual communications; topics include typography, photography, illustration, and current conceptual and art historical issues. **Prerequisites** Permission of instructor. **Credits** 3

**ART 433 - Painting IV**

Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context. 6 Studio. **Prerequisites** ART 333. **Credits** 3, R12

**ART 434 - Problems in Printmaking**

Study of selected printing media through independent, self-directed projects under faculty supervision. 6 Studio. **Prerequisites** ART 334. **Credits** 3, R12

**ART 439 - Arts & Entrepreneurship**

This course serves as the prerequisite survey of arts management by covering the principles of arts entrepreneurship and management. Arts & Entrepreneurship is designed for arts practitioners seeking to increase their knowledge of contemporary arts entrepreneurship and management practice. In this course students will choose a concentration or focus such as visual arts, music, theater, dance, etc. This course provides the background necessary for understanding the current global arts marketplace, but assumes that arts businesses and organizations must adopt an entrepreneurial approach to thrive in current and future marketplaces. **Credits** 3

**ART 440 - Advanced Drawing**

Perceptual and conceptual drawing design problems; emphasis on a drawing project augmented by discussion, readings, and critique. 6 Studio. **Prerequisites** ART 330. **Credits** 3, R12

**ART 443 - Sculpture IV**

Emphasis on exploration of sculptural materials and critical thinking within a contemporary context. 6 Studio. **Prerequisites** ART 342. **Credits** 3, R12

**ART 450 - Arts & Entrepreneurship Intensive**

This course is designed to complement the core courses in the Arts & Entrepreneurship Undergraduate Certificate by providing a targeted and intense education in the business of the arts. Over the academic year three to six guest lecturers are brought to campus to present workshops or master classes on a variety of arts and entrepreneurship topics. These workshops or master classes, focused on applied learning, consist of 15 contact hours for 1 hour of academic credit. These sessions are scheduled in a variety of ways to accommodate student schedules, including online instruction. **Credits** 1, R6

**ART 451 - Problems in Ceramics**

Emphasis on personal direction; critiques of current work; reading in history and criticism. 6 Studio. **Prerequisites** ART 411. **Credits** 3, R12
ART 452 - Problems in Sculpture

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. Prerequisites ART 443 or permission of instructor. Credits 3, R9

ART 453 - Problems in Painting

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. Prerequisites ART 433 or permission of instructor. Credits 3, R9

ART 454 - Problems in Drawing

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. Prerequisites ART 330 or permission of instructor. Credits 3, R9

ART 455 - Photography II

Emphasis on developing an individual style of vision by utilizing traditional and contemporary photographic techniques. Prerequisites ART 372. Credits 3

ART 459 - Book Arts II

The exploration of working with the book as an artist's medium. Students will investigate traditional bookbinding, nontraditional book formats, and image making techniques. 6 Studio. Prerequisites ART 234 and 359. Credits 3, R12

ART 460 - Motion Graphics I

An introduction to working with type, image, sound, and animation using time-based digital media. Emphasis is on constructing complex meanings through motion graphics. Prerequisites ART 371 and ART 374. Credits 3

ART 461 - Problems in Design

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. Prerequisites Permission of instructor. Credits 3, R9

ART 463 - Art Methods for the Middle and High School

Curriculum planning, exploration of suitable art media and methods for teaching art to diverse populations at the middle and high school level. Field experience required. 6 Studio. Credits 3

ART 465 - Art Methods for the Elementary School

Curriculum planning, exploration of age-appropriate art media, and methods for teaching art to diverse populations in the elementary school. Field experience required. 6 Studio. Credits 3

ART 466 - Problems in Book Arts

Individualized course of study in studio arranged in consultation with a faculty member. For advanced students in the major. Prerequisites ART 459 or permission of instructor. Credits 3, R9

ART 471 - Graphic Design II

Emphasis on personal exploration of materials and methods related to visual communications. 6
Studio. **Prerequisites** ART 371 and ART 374. **Credits** 3

**ART 472 - Photography III**

Emphasis on personal direction and advanced technical problems. 6 Studio. **Prerequisites** ART 372 or permission of instructor. **Credits** 3, R12

**ART 474 - Portfolio**

Professional preparation, including a portfolio of professional level work. A capstone course required of all senior BFA majors. 6 Studio. **Prerequisites** Permission of instructor. **Credits** 3

**ART 475 - Typography II**

Emphasis on personal directions and advanced technical problems applied to typographic expression. 6 Studio. **Prerequisites** ART 371 and ART 374. **Credits** 3, R6

**ART 476 - Problems in Photography**

Emphasis on personal interpretation and advanced technical solutions to guided projects. 6 Studio. **Prerequisites** ART 472 or permission of instructor. **Credits** 3, R9

**ART 477 - Tilemaking**

Investigation of a wide range of concepts and techniques in the field of ceramic tile. 6 Studio. **Prerequisites** ART 251. **Credits** 3, R9

**ART 479 - Motion Graphics II**

Through lectures and studio projects learn techniques and history of motion graphics, storyboard an animation, and compile professional graphics into time-based projects. 6 Studio. **Prerequisites** ART 460. **Credits** 3, R6

**ART 480 - Experimental Studio**

Theoretical and conceptual issues and modes of making art relevant to the contemporary or post-studio artist. 6 Studio. **Prerequisites** Permission of instructor. **Credits** 3, R12

**ART 481 - Independent Study in Studio Art**

Individualized course of study arranged in consultation with a faculty member. For advanced students in the major. Studio. **Prerequisites** Permission of instructor. **Credits** 1-6, R12

**ART 482 - Independent Study in Art History**

Independent Study in Art History. **Prerequisites** Submitted proposal must be approved by instructor. **Credits** 1-6, R6

**ART 483 - Art Internship**

Directed work experience in a professional design studio. 9 hours per week. **Prerequisites** Permission of instructor. **Credits** 3

**ART 486 - Exhibition Practicum**

Organizational, administrative, and operational structures of an art gallery and museum, including the introduction of planning, curating, and installing professional art exhibitions. **Credits** 3
ART 491 - Supervised Student Teaching in Art, K-12

A full-time supervised teaching experience in Art. Corequisites EDSE 490 and 495. Credits 3

ART 493 - Topics in Art

Topics in Art. Prerequisites Permission of instructor. Credits 1-4, R12

ART 494 - Art Honors Studio

Honors studio for seniors culminating in exhibition of a body of work demonstrating commitment to quality and productivity. 6 Studio. Prerequisites Permission of instructor. Credits 3, R6

ART 495 - Art History Seminar

Detailed study of a topic in art history or criticism. Prerequisites Permission of instructor, senior standing. Credits 3, R6

Arts and Sciences

Interdisciplinary

ASI 100 - Introduction to American Culture

Survey of contemporary American culture: basic history, geography, cultural characteristics, and customs. Prerequisites International student or permission of instructor. Credits 3

ASI 230 - Introduction to Women's Studies

Introduction to a variety of disciplinary perspectives as they affect the status and roles of women in society. Credits 3

ASI 250 - Introduction to Appalachian Studies

Interdisciplinary examination of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. (P1). Credits 3

ASI 293 - Special Topics

Special Topics. Credits 1-4, R6

ASI 300 - University Forum for Contemporary Issues

Issues, problems, and developments of current interest presented by faculty and, occasionally, visiting scholars. S/NC grading. Credits 1, R6

ASI 393 - Special Topics

Special Topics. Credits 3, R12

ASI 450 - Appalachian Studies Seminar

Field-based, interdisciplinary capstone seminar of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. Prerequisites ASI 250 and permission of instructor. Credits 3

ASI 493 - Topics in American Studies

Seminar on particular facets of American culture such as literature and
art, philosophy and politics and folklore and society. **Credits** 3, R6

**ASI 494 - Topics in Cherokee Studies**

Various topics in Cherokee studies such as anthropology, history, sociology, and literature. Juniors will not be allowed to enroll in this course. **Prerequisites** Permission of instructor. **Credits** 3, R6

**Astronomy**

**AST 101 - Descriptive Astronomy**

Characteristics of solar stellar systems examined in terms of the technologies and attitudes of man. 3 Lecture, 2 Lab (lab is optional). **Credits** 3-4

**AST 102 - Introductory Observational Astronomy**

An observationally based introduction to astronomy. To include naked eye and telescopic observations, and laboratory activities. Topics include planets, stars, nebulae, galaxies, and hypothermia prevention. (C5). **Credits** 3

**AST 103 - The Solar System**

A descriptive introduction to our solar system from a historical and evolutionary perspective. (C5). **Credits** 3

**AST 104 - Cosmic Evolution**

A descriptive introduction to stars, galaxies, and the universe, from an evolutionary perspective. (C5). **Credits** 3

**AST 301 - Modern Astronomy**

Techniques of measurement and research. 2 Lecture, 1 Lab. **Prerequisites** AST 230. **Credits** 3

**Athletic Training**

**ATTR 150 - Introduction to Athletic Training**

An introduction to athletic training, including care and prevention of injuries incurred by athletes and physically active individuals and basic skills required of athletic trainers. (2 Lecture, 1 Lab). **Credits** 3

**ATTR 183 - Introduction to Clinical Education**

This course is designed to introduce students to the process of clinical education and prepare them to begin clinical education experiences. **Prerequisites** ATTR 150 with an earned grade of C+ or better. **Credits** 1

**ATTR 210 - Clinical Anatomy & Biomechanics**

Biomechanics and functional anatomy, including the upper extremities, lower extremities, and spine. Discussion of anatomical, kinesiologic, biomechanical and physiologic principles related to athletic training. 3 Lecture, 3 Lab. **Prerequisites** ATTR 150. **Credits** 4

**ATTR 221 - Therapeutic Modalities I**

Designed to introduce the student to theories on pain modulation and the
acute inflammatory response, as well as cryotherapy and thermotherapy therapeutic modalities. 3 Lecture, 2 Lab. (8-week course) **Prerequisites** Provisional Admission to the Athletic Training Program. **Credits** 1

**ATTR 222 - Therapeutic Modalities II**

Designed to introduce the student to the foundations of electrical current in rehabilitation and electrical stimulation therapeutic modalities commonly utilized in the athletic training profession. 3 Lecture, 2 Lab. (8-week course) **Prerequisites** ATTR Major & Good Standing in the Athletic Training Program. **Credits** 1

**ATTR 240 - Emergency Procedures in Athletic Training**

This course will teach athletic training students recognition, evaluation, and treatment of emergent conditions. **Prerequisites** Full Admission into the ATTR major. **Corequisites** ATTR 284. **Credits** 3

**ATTR 265 - Clinical Physiology and Pathology**

Teaches concepts of human physiology and basic pathology, involving detailed evaluation skills necessary for assessment and recognition of general medical conditions of the physically active. 3 Lecture, 3 Lab. **Prerequisites** Provisional Admission to the Athletic Training Program. **Credits** 4

**ATTR 283 - Clinical Education I**

Designed to introduce the student to the process of clinical education through involvement at an approved clinical education site. **Prerequisites** Provisional Admission to the Athletic Training major. **Credits** 1

**ATTR 284 - Clinical Education II**

Designed to expose the student to the process of clinical education through involvement at an approved clinical educational site. **Prerequisites** ATTR major & Good Standing in the Athletic Training Program. **Credits** 1

**ATTR 323 - Therapeutic Modalities III**

Designed to introduce the student to theories of ultrasound, iontophoresis, LASER, and diathermy as therapeutic modalities commonly utilized in athletic training. 3 Lecture, 2 Lab. (8-week course) **Prerequisites** ATTR 222 & Good Standing in the Athletic Training Program. **Credits** 1

**ATTR 324 - Manual Therapy**

Designed to introduce the student to theories of manual therapy as commonly utilized in athletic training. 2 Lecture, 2 Lab. (8-week course) **Prerequisites** Good Standing in the Athletic Training Program. **Corequisites** ATTR 370, 375. **Credits** 1

**ATTR 330 - Clinical Measures for the Lower Extremity**

Completion of clinical skills needed for the evaluation of the lower extremity, including the foot, ankle, knee, and hip, in the physically active population. 3 Lab. **Prerequisites** ATTR Major, Good Standing in the Athletic Training Program.
ATTR 340 - Clinical Measures for the Upper Extremity

Completion of clinical skills needed for the evaluation of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist, and hand in physically active population. 3 Lab.

**Prerequisites** ATTR 360 & Good Standing in the Athletic Training Program.

**Credits** 2

ATTR 350 - Analysis of Dysfunction of the Lower Extremity

Evaluation techniques of the lower extremity, including the foot, ankle, knee and hip, and common orthopedic conditions of the lower extremity in the physically active population.

**Prerequisites** ATTR major, Full Admission to the Athletic Training Education Program & Good Standing in the Athletic Training Program.

**Corequisites** ATTR 330.

**Credits** 3

ATTR 360 - Analysis of Dysfunction of the Upper Extremity

Evaluation techniques of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist and hand, and common orthopedic conditions of the upper extremity.

**Prerequisites** ATTR 350 & Good Standing in the Athletic Training Program.

**Corequisites** ATTR 340.

**Credits** 3

ATTR 370 - Evaluation and Treatment of the Spine

Evaluation techniques of the spine and pelvis, including the cervical spine, thoracic spine, lumbar spine and sacroiliac joints, and common orthopedic conditions of the trunk.

**Prerequisites** ATTR 360 and Good Standing in the Athletic Training Program.

**Credits** 3

ATTR 375 - Therapeutic Exercise

Designed to provide the student with programs, theories and concepts vital in therapeutic exercise, rehabilitation and reconditioning. 3 Lecture, 3 Lab.

**Prerequisites** ATTR 360 & Good Standing in the Athletic Training Program.

**Credits** 2

ATTR 377 - Physical Adaptation to Exercise

Designed to provide an overview of the physiological responses and adaptations to physical activity, aerobic exercise, and strength training; including programs, theories, and concepts vital in injury prevention, rehabilitation, and reconditioning.

**Prerequisites** ATTR 360 & Good Standing in the Athletic Training Program or permission of instructor.

**Credits** 4

ATTR 383 - Clinical Education III

Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site. 2 Lab/field.

**Prerequisites** ATTR 284 & Good Standing in the Athletic Training Program.

**Credits** 3

ATTR 384 - Clinical Education IV
ATTR 410 - Organization and Administration in Athletic Training

Designed to examine the various issues, policies and procedures involved with the administration of athletic training in a variety of professional settings. **Corequisites** ATTR 483. **Credits** 3

ATTR 415 - Evidence-Based Practice in Athletic Training

Prepares students to critically review and use evidence in the field of athletic training to prepare for the Board of Certification Examination and professional practice. **Corequisites** ATTR 484. **Credits** 3

ATTR 433 - International Aspects of Sports Medicine

Designed to engage students in diverse aspects of sports medicine and allow them to experience patient care in a variety of international settings. **Prerequisites** Permission of instructor. **Credits** 3, R9

ATTR 450 - Radiology and Diagnostic Procedures

Provides fundamental clinical knowledge of commonly utilized diagnostic imaging techniques in sports medicine. **Corequisites** ATTR 484. **Credits** 1

ATTR 460 - Gross Human Anatomy

This course utilizes cadaver dissection as a tool for advanced study of anatomy and functional anatomy of the musculoskeletal, circulatory, integumentary, and nervous systems. **Prerequisites** Permission of Instructor and good standing in the Athletic Training Program. **Credits** 3

ATTR 465 - Pathophysiology

Teaches concepts of clinical pathophysiology related to assessment, recognition and treatment of general medical conditions of the physically active. **Corequisites** ATTR 483. **Credits** 3

ATTR 480 - Independent Study in Athletic Training

Independent Study in Athletic Training. **Prerequisites** Permission of Instructor. **Credits** 1-3, R9

ATTR 483 - Clinical Education V

Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site. **Prerequisites** Good Standing in the Athletic Training Major; Permission of instructor. **Corequisites** ATTR 465. **Credits** 3

ATTR 484 - Clinical Education VI

Designed to expose the student to new theories, concepts, and challenges through completion of a fifteen-week clinical education experience at an approved affiliate clinical site. 2
ATTR 493 - Topics in Athletic Training

Studies in special areas of interest in athletic training. Prerequisites: Permission of instructor. Credits: 1-3, R9

Biology

BIOL 102 - Human Genetics

Principles of biology relative to development of human hereditary characteristics. 2 Lecture, 2 Lab. (C5). Credits: 3

BIOL 103 - Environmental Biology

Principles of biology relative to ecology and modern environmental problems. Ecosystems structure and function, population growth, food production, pollution, and resource use. 2 Lecture, 2 Lab. (C5). Credits: 3

BIOL 104 - Human Biology

The biology which underlines medical, social, and developmental issues of the human lifecycle. 2 Lecture, 2 Lab. (C5). Credits: 3

BIOL 105 - Biology in the 21st Century

Modern biology from a cellular and molecular perspective, emphasizing cell structure, function, genes and genetic engineering, disease and evolution. 2 Lecture, 2 Lab. (C5). Credits: 3

BIOL 140 - Principles of Biology I

Introduction to biology for majors. Basic cell structure and function, bioenergetics, introduction to genetics and molecular biology. 3 Lecture, 3 Lab. (Lecture-4 credits, Lab-0 credit) (Lab is required). Prerequisites: BIOL 140 lecture and lab. Credits: 4

BIOL 141 - Principles of Biology II

Second course for biology majors. A comparative introduction to structure, physiology, and evolutionary trends among organisms. 3 Lecture, 3 Lab. (Lecture-4 credits, Lab-0 credit). (Lab is required). Prerequisites: BIOL 140. Corequisites: BIOL 141 lecture and lab. Credits: 4

BIOL 190 - Discoveries in Biology

Discoveries in biology used as the basis for exercises involving analysis of scientific reasoning, the scientific method, and experimental design. Credits: 3

BIOL 192 - Plants and Society

Human uses of plants as a context for the botanical sciences. Experience with identification of plants and uses of plants in medicines, foods, and fiber. 2 Seminar, 2 Lab. Credits: 3

BIOL 193 - Forensic Biology

An exploration of techniques, applications, and social implication of forensic biology, including the science
behind fingerprints, blood typing, DNA fingerprints, and other forensic areas. Credits 3

BIOL 194 - Biotechnology: Methods, Applications, and Implications

This course addresses the methods used in Biotechnology and their use in genetic engineering of bacteria, plants, animals, and ethical considerations associated with biotechnology. Credits 3

BIOL 240 - Introduction to Genetics

Introduction to principles of genetics, including Mendelian and molecular genetics. Topics include: Mendelism, linkage, recombination, DNA structure and function, genomics, evolution of development, molecular evolution. 3 Lecture, 3 Lab. Prerequisites BIOL 140 or BIOL 141. Credits 4

BIOL 241 - Introduction to Ecology and Evolution

This course examines the interaction of organisms with their environment and each other to provide a broad overview of the fields of evolution and ecology. 3 Lecture, 3 Lab. Prerequisites BIOL 140, 141 and 240. Credits 4

BIOL 255 - Dendrology

Structure, distribution, and economic uses of major forest trees of the United States; emphasis on regional species. 2 Lecture. Credits 2

BIOL 256 - Dendrology Lab

Identification of major forest trees of the United States; emphasis on regional species. 4 Lab/field. Credits 2

BIOL 291 - Human Anatomy and Physiology I

The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems. 3 Lecture, 3 Lab. Prerequisites Completion of 24 semester hours. Credits 4

BIOL 292 - Human Anatomy and Physiology II

The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems. 3 Lecture, 3 Lab. Prerequisites BIOL 291. Credits 4

BIOL 293 - Human Physiology for Health Science Majors

Comprehensive examination of Human Physiology for Health Science majors. Open only to Nutrition majors and pre-majors, and Environmental Health majors. 3 Lecture, 3 Lab. Credits 4

BIOL 304 - General Ecology

Ecosystem and population processes, pathways of energy and materials, interactions between organisms and populations and human role in the biosphere. 3 Lecture. Prerequisites BIOL 241 or permission of instructor. Credits 3

BIOL 306 - Evolutionary Biology
Introduction to evolutionary biology, including population genetic processes, speciation, selection models, phylogeny reconstruction, and molecular evolution. History and analytical approaches will also be emphasized. **Prerequisites** BIOL 140, 141, 240 and 241. **Credits** 3

**BIOL 313 - Microbiology in Health and Nutrition**

Morphological, cultural, biochemical, and staining characteristics of microorganisms; emphasis on those that infect humans and occur in water, food, and human environments. 3 Lecture, 3 Lab. **Prerequisites** Permission of instructor. **Credits** 4

**BIOL 321 - Plant Biology**

An introduction to the principles of botany with an emphasis on plant body structure, functions and development. **Prerequisites** Biol 140 and Biol 141. **Corequisites** Biol 321 Laboratory. **Credits** 4

**BIOL 326 - Plants and Human Affairs**

Understanding the relationships between plants and people with a focus on useful and economically important plants and applied botanical questions of human concern. **Prerequisites** BIOL 141. **Credits** 3

**BIOL 330 - Population Genetics for Forensic Science**

An overview of human genetic variation and molecular population genetics as applied to forensic DNA analysis in a crime laboratory as well as the courtroom. **Prerequisites** BIOL 240. **Credits** 3

**BIOL 333 - Cell and Molecular Biology**

Genome structure; protein shape, structure, and function; RNA and protein synthesis; control of gene expression and post-transcriptional controls; recombinant DNA technology; membrane structure; protein sorting; cell communication, the cell cycle and cancer. 3 Lecture, 3 Lab. (Lecture-3 credits, Lab-1 credit). (Lab is required). **Prerequisites** BIOL 240 or permission of instructor. **Corequisites** BIOL 333 lecture and lab. **Credits** 4

**BIOL 334 - Biotechnology and Society**

An exploration of the ethical and legal issues raised by recent innovations in biotechnology, emphasizing forensic genetics, human genetic engineering, and agricultural biotechnology (GMOs). Cross listed with PAR 334. No credit for PAR 334. (P1). **Credits** 3

**BIOL 361 - Principles of Biochemistry**

This course is cross-listed with CHEM 361. **Prerequisites** CHEM 242. **Credits** 3

**BIOL 373 - Invertebrate Zoology**

Morphology, physiology, behavior, ecology, and evolution of invertebrates. 2 Lecture, 6 Lab. **Prerequisites** BIOL 141. **Credits** 4

**BIOL 374 - Vertebrate Zoology**
Morphology, physiology, behavior, ecology, and evolution of vertebrates. 3 Lecture, 3 Lab. Prerequisites BIOL 141 and BIOL 241. Credits 4

BIOL 375 - Methods in Ecology and Evolution

Field, computer-simulation, and laboratory methods used to study the environment, evolutionary ecology, and the general ecology of individuals, populations, communities, ecosystem landscapes. 3 Lecture, 2 Lab. Prerequisites BIOL 241 or permission of instructor. Credits 4

BIOL 389 - Cooperative Education in Biology

See Cooperative Education Program. Prerequisites Permission of Department Head. Credits 1 or 3, R15

BIOL 411 - Animal Physiology

Principles of homeostasis, cell and tissue communication systems, contractility, respiration, excretion, and metabolism in animals. Prerequisites BIOL 141 and CHEM 140 and BIOL 333 or BIOL 419. Credits 3

BIOL 412 - Cellular and Molecular Immunology

Detailed examination of the immune response, including: antigen recognition, effector mechanisms, immunogenetics, immunoregulation, immunity to infection, immunopathology, tumor and transplantation immunology, and autoimmunity. Prerequisites BIOL 240 or 333. Corequisites BIOL 333. Credits 3

BIOL 413 - Principles of General Microbiology

Survey of microorganisms emphasizing: morphology, physiology, genetics, and ecology of prokaryotes (bacteria and archaea); microorganisms and disease; environmental and applied microbiology; and taxonomy of prokaryotes. Prerequisites BIOL 241. Credits 4

BIOL 414 - Methods of General Microbiology

Microscopy; morphological, cultural, physiological, and serological characteristics of microorganisms; microbiology of food, milk, water, and soil. 6 Lab. Corequisites BIOL 413. Credits 2

BIOL 415 - Plant Physiology

Plant metabolism, effects of hormones and light on plant growth and development. Transport and translocation of water and solutes. Plant stress physiology. Prerequisites BIOL 141 and CHEM 140. Credits 3

BIOL 416 - Plant Molecular Biology

Molecular aspects of plant development. Examination of the structure, expression, and function of genes involved in the flowering plant life cycle, including genes controlling embryogenesis, vegetative growth, plant-pathogen interaction, and reproduction. Prerequisites BIOL 333. Credits 3

BIOL 417 - Biochemistry
The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. **Prerequisites** BIOL 240 or 304; CHEM 242 and 272 or permission of instructor. **Credits** 3

**BIOL 418 - Advanced Techniques in Microscopy**

This course provides an in-depth examination of basic and advanced imaging techniques used in biomedical fields with an emphasis on fluorescence microscopy. Topics covered include: properties of light, refractive index, fluorescent quantum yields, quenching, polarization, anisotropy, FRET, FRAP, super-resolution microscopy and single molecule fluorescence techniques. (lab required). **Prerequisites** (BIOL 333 or BIOL 361 or CHEM 361) and (PHYS 131 or PHYS 231) (permission of instructor allowed). **Credits** 4

**BIOL 419 - Cell Biology**

Structure, function, and techniques for the study of cells. **Prerequisites** BIOL 333 or BIOL 361 or permission of instructor. **Credits** 3

**BIOL 420 - Darwin's Origin of Species**

A detailed reading and analysis of Darwin's landmark work, *On the Origin of Species*. Examining its historical and philosophical context, and its social and scientific significance. **Prerequisites** BIOL 304 and 305 or 240 and 241. **Credits** 3

**BIOL 421 - Principles of Biotechnology**

Survey of methods and applications used in molecular biotechnology. Topics include recombinant DNA methods and molecular tools to analyze and modify genetic material for biotechnology. 3 Lecture, 3 Lab. **Prerequisites** BIOL 333. **Credits** 4

**BIOL 422 - Forensic Biology**

Principles of nuclear and mitochondrial DNA analysis including current and emerging analytical techniques, database searches, statistical analysis, courtroom testimony and non-human DNA analysis. **Prerequisites** BIOL 140 and 240 with a grade of C or better and BIOL 333 lecture and laboratory or permission of instructor. **Credits** 4

**BIOL 423 - Biophysics**

Principles of biophysics. Topics include cell physiology, chemotaxis, molecular motors, physical constraints of an environment, diffusion, receptor complexes, and signal transduction. **Prerequisites** BIOL 140, 141, 240, 241, MATH 130. **Credits** 3

**BIOL 424 - Pharmacology**

An introduction to medicinal chemistry. Topics include pharmacodynamics, pharmacokinetics, and the process of drug discovery, design, and development. **Prerequisites** CHEM 242. **Credits** 3

**BIOL 425 - Flora of the Southern Appalachians**

Taxonomy of the flowering plants of the region; family relationships; use of keys for identification; and recognition,
collection, documentation, and preservation of specimens. One weekend field collecting trip. 2 Lecture, 6 Lab. Prerequisites BIOL 141. Credits 4

BIOL 433 - Ecological Co-Adaptations

In-depth study of co-evolutionary interactions, including seed dispersal, pollination, host-parasite, and plant-microbe interactions such as nitrogen fixation. Lecture, laboratory, and field trips. 3 Lecture, 3 Lab. Prerequisites BIOL 241. Credits 4

BIOL 434 - Terrestrial Landscape Ecology

Landscape structure and dynamics; major North American biomes; field and descriptive methods; required field labs and trips. 3 Lecture, 3 Lab. Prerequisites BIOL 241. Credits 4

BIOL 435 - Aquatic Ecology

Biological, physical, and chemical components and processes in lakes and streams; field studies of local lakes and their biota. 3 Lecture, 3 Lab. Prerequisites BIOL 241 or 304. Credits 4

BIOL 438 - Ecological Restoration

Exploration of ecological restoration theory and management applications from fine to coarse scales approaches, and including composition, structural and functional components of ecosystems. Prerequisites BIOL 140 and 141. Credits 3

BIOL 441 - Conservation Biology

Exploration of biodiversity conservation principles as they apply to managed ecosystems. Components of biodiversity, threats to biodiversity and strategies for conserving it will be examined. Prerequisites BIOL 140 and 141. Credits 3

BIOL 452 - Plant Anatomy

Plant cells, tissue organization in phylogenetic perspective, botanical microtechniques. 3 Lecture, 3 Lab. Prerequisites BIOL 141. Credits 4

BIOL 453 - Principles of Systematics

Principles and methods used in describing animal and/or plant taxa and in testing hypotheses of evolutionary relationship; individual research projects on the systematics of selected taxa. Prerequisites Junior status in biology or permission of instructor. Credits 3

BIOL 455 - Vascular Plants

Biology of higher plants: club and small club mosses, quill worts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form. 3 Lecture, 3 Lab. Prerequisites BIOL 141. Credits 4

BIOL 461 - Molecular Medicine

The study of the molecular and cellular basis of disease, and the application of this knowledge to the development of new clinical and diagnostic tools, medications, and therapies. Prerequisites BIOL 333 or BIOL/CHEM 361. Credits 3

BIOL 467 - Biostatistics
Statistical concepts and methods for biologists. Design of experiments for computer analysis by ANOVA, single or multiple regression, principal components. 2 Lecture, 2 Lab.

**Prerequisites** Junior Standing or permission of instructor. **Credits** 3

**BIOL 470 - Biology of Arthropods**

Functional morphology, physiology, natural history, and systematics of the arthropods; field/lab emphasis on spiders. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241 or 304. **Credits** 4

**BIOL 471 - Animal Behavior**

Mechanisms, development, functional significance, and evolution of behavior; individual research projects, films, and discussions in lab. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241 or permission of instructor. **Credits** 4

**BIOL 472 - Ornithology**

Anatomy, physiology, ecology, behavior, diversity and evolution of birds. Lab will focus on identification of North Carolina birds, field research techniques and behavior. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241. **Credits** 4

**BIOL 473 - Microbial Ecology**

Ecology of archaea and bacteria. Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241, or 304 and 413, or 414. **Corequisites** BIOL 473 lab. **Credits** 4

**BIOL 474 - Virology**

A study of viruses and how they differ from cellular life, including the molecular nature and replication strategies of viral genomes, the balance between viruses and their hosts, innate and adaptive immune responses, and issues surrounding vaccine safety. **Prerequisites** BIOL 333. **Credits** 4

**BIOL 475 - Animal Development**

Development in animals: gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241, or 304 and 305. **Credits** 4

**BIOL 476 - Contemporary Fisheries**

Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. 3 Lecture, 3 Lab.

**Prerequisites** BIOL 241 or 304 or permission of instructor. **Credits** 4

**BIOL 477 - Herpetology**

Study of the biological diversity, evolution, life history, ecology, and conservation of amphibians and reptiles. Field trips required. 3 Lecture/discussion.

**Prerequisites** BIOL 140, 141, 240 or 305, 241 or 304. **Credits** 4

**BIOL 478 - Parasitology**

This course is intended to provide an exploration into the world of parasites. Emphasis will be placed on the life cycles and natural histories of those parasites that coexist with
BIOL 480 - Research in Biology
Research in Biology. Prerequisites Junior or Senior standing or permission of instructor. Credits 3

BIOL 493 - Studies in Biology
Studies in Biology. Prerequisites Permission of department head. Credits 1-3, R6

BIOL 495 - Introduction to Senior Thesis
Designed to introduce experimental design and assist in selection of a senior thesis project. Prerequisites Permission of department head. Credits 1

BIOL 496 - Senior Seminar
Senior Seminar. Prerequisites BIOL 140, 141, 304, 305, and 333 or permission of instructor. Credits 1

BIOL 498 - Senior Thesis I
Directed research conducted in the first semester of the senior year. Prerequisites Permission of department head. Credits 2

BIOL 499 - Senior Thesis II
Senior thesis and oral presentation following completion of directed undergraduate research. Prerequisites BIOL 498. Credits 1

Birth-Kindergarten

BK 250 - Introduction to Birth-Kindergarten
Introduction to the Birth-Kindergarten major and profession. 2 Lecture, 1 Lab. Prerequisites GPA 2.75, admission to Teacher Education. Credits 3

BK 260 - Foundations of Child Study
Emphasis will be on child study from a cultural and historical perspective. The study of early childhood models from a philosophical viewpoint will be explored. Prerequisites GPA 2.75 or higher. Credits 3

BK 312 - Kindergarten Curriculum
Overview of methods for kindergarten curriculum for typical and atypical children in the public school environment. 2 Lecture, 2 Lab. Prerequisites GPA 2.75, Admission to Teacher Education. Credits 3

BK 315 - Early Childhood Literacy, Birth-5
A study of emergent literacy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. Prerequisites Admission to program. GPA 2.75. Credits 3

BK 316 - Mathematics and Science
A study of the development of young children's understanding of numeracy and scientific concepts from a
constructivist perspective. Includes regular observation and data collection. **Prerequisites** GPA of 2.75, Admission to Teacher Education. **Credits** 3

**BK 361 - Environments for Young Children**

The physical, emotional, and social environment suitable for young children; room arrangement, scheduling, space utilization, and teacher-child interaction. **Prerequisites** GPA 2.75 or higher. **Credits** 3

**BK 363 - Child Development**

Physical, emotional, social, and mental development from birth through middle childhood. 2 Lecture, 2 Lab. **Prerequisites** GPA 2.75 or higher. **Credits** 3

**BK 366 - Infant Development and Curriculum**

Dynamics of infant development and curriculum for both typical children and children with, or at risk, for disabilities. 2 Lecture, 3 Lab. **Prerequisites** GPA 2.75. **Credits** 3

**BK 414 - Theory and Practice in Early Childhood Administration**

Policies, procedures, and responsibilities for administration of early childhood education programs. **Prerequisites** GPA 2.75. **Credits** 3

**BK 457 - Action Research**

Development, implementation, and evaluation of action research addressing an issue or trend in early childhood education. Early Childhood Concentration only. **Prerequisites** GPA of 2.75, liberal studies completed. **Credits** 9

**BK 458 - Action Research II**

Development, implementation, and evaluation of action research addressing an issue or trend in early childhood education. Early Childhood Concentration only. **Prerequisites** GPA of 2.75, **BK 457. Credits** 9

**BK 462 - Adult-Child Interaction**

Various cultural paradigms influencing behavior of adults regarding children's discipline. Facilitation of self-management through nonverbal and verbal communication, and the dimensions of play. **Prerequisites** GPA 2.75 or higher. **Credits** 3

**BK 463 - Computer Applications for Early Childhood Professionals**

The advancement of basic technology and multimedia for developing an electronic content/technology portfolio. **Prerequisites** Student must have a GPA of 2.5 or higher to take this course. **Credits** 3

**BK 470 - Early Childhood Curriculum**

Materials, environments, and interactions for two-to-five year-olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. This course is cross-listed with EDEL and SPED 470. 2 Lecture, 3 Lab. **Prerequisites** GPA 2.75 or higher. **Credits** 3
BK 473 - Internship in Early Childhood Assessment

Exploration of the development needs of the early childhood learner and the assessment techniques teachers utilize in the development of responsive instruction. Field experience required. **Prerequisites** Teacher Education and GPA 2.75. **Credits** 3

BK 482 - Internship I

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. 2 days a week (6 credit hours). **Prerequisites** GPA of 2.75. Admission to Teacher Education. **Credits** 6

BK 483 - Internship

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. 5 days/week, full-time. **Prerequisites** GPA 2.75; Admission to Teacher Education, liberal studies completed. **Corequisites** BK 496. **Credits** 10, R20

BK 493 - Special Topics

Current topics in birth-kindergarten development and curriculum. **Credits** 1-3, R6

BK 496 - Internship Seminar

The interrelationships of theory and practice in the context of experience. **Prerequisites** Admission to Teacher Education, Liberal Studies Completed. **Corequisites** BK 483. **Credits** 3, R4

BKSE 350 - Early Childhood Disorders and Interventions

Review of early childhood disorders and specific education interventions for children with special needs. **Prerequisites** SPED 240. GPA of 2.75. **Credits** 3

Business Administration

BA 133 - Introduction to Business

This course provides an introduction to the study of business strategy. Current events are used as a springboard to discuss important business issues. (P1). **Credits** 3

BA 195 - Movers and Shakers: Experienced Leaders and Experiential Leadership

This course examines aspects of leadership from a variety of perspectives. Students explore how to manage challenging and unpredictable societal and organizational problems encountered at different stages of their career. **Credits** 3

BA 293 - Topics in Business Administration

Topics in Business Administration. **Credits** 1-6, R6

BA 300 - Business Communications

Application of written, oral, and interpersonal communication theory in
BA 301 - Competition Challenge Seminar

Prepares selected students to compete in discipline-specific intercollegiate business skills and knowledge competitions. Credits 1, R3

BA 304 - Business Communications in a Multicultural Environment

Analyzing communication and messages in multicultural business environment. Global business communications, such as websites, will be examined through case studies, projects, and contemporary issues. (P6). Credits 3

BA 393 - Topics in Business Administration

Topics in Business Administration. Credits 1-6, R6

BA 480 - Independent Research

Supervised, student-initiated research project. Prerequisites Permission of department head. Credits 3

BA 493 - Topics in Business Administration

Topics in Business Administration. Credits 1-6, R6

BA 495 - Dispute Resolution Seminar

Advanced seminar on conflict resolution and dispute resolution. Students observe and mediate campus and community cases and train peer mediators for 10 hours per week. Prerequisites LAW 285. Credits 3

Business Law

LAW 105 - Introduction to Law

Study of the relationship between the individual, law, and society; structure of the system for dispute resolution in a legal and social context; role that law plays in a complex society. (P1) Credits 3

LAW 195 - Contemporary Legal Issues

The social change through the legal environment, legal institutions in various cultures, the impact on other social institutions, and the interpretation and analysis of interrelationships. Credits 3

LAW 201 - Individual Rights

Philosophical and historical aspects of individual rights, and interpretation of constitutional provisions as applied by courts in public, private and business situations. (P4) Credits 3

LAW 230 - Legal and Ethical Environment of Business

Social responsibility of business; ethics, legal concepts, and legislation and administrative decisions having an impact on business. Credits 3

LAW 275 - Business Organization

Traditional and emerging forms of business organizations and their
governance. Prerequisites LAW 230. Corequisites LAW 230. Credits 3

LAW 285 - Mediation

Conflict resolution theory and development of communication skills through role plays. Completion of course fulfills requirements for community mediators. Credits 3

LAW 302 - Legal Aspects of Managing Technology

Study of the relationship of law in the information age to a range of controversial issues regarding intellectual property rights, privacy, biotechnology, e-commerce and antitrust. Credits 3

LAW 303 - Unfair Business Practices

The regulation of unfair and deceptive business practices. Credits 3

LAW 306 - Women and the Law

The study of the legal history of issues relating to women; case-law and legal precedent; statutory and constitutional law; and current legal issues surrounding women. (P4). Credits 3

LAW 320 - International Business Law

Regulation of business in the global environment. Prerequisites LAW 230. Credits 3

LAW 331 - Contracts and Sales

Law of contracts, sales, and Uniform Commercial Code. Prerequisites 230 or permission of instructor. Credits 3

LAW 389 - Cooperative Education in Business Law

See Cooperative Education Program. Credits 1 or 3, R15

LAW 393 - Topics in Business Law

Topics in business law. Credits 1-3, R6

LAW 402 - Hospitality Law

Legal issues and litigation affecting the hospitality industry. Credits 3

LAW 403 - Business Assets

Management of real and intellectual property. Credits 3

LAW 406 - Media Law

Study of legal issues which affect the media: defamation, privacy rights, advertising regulation, indecent speech; broadcast programming; and press coverage of the administration of justice. (P1). Credits 3

LAW 410 - Litigation in Business

The business role in litigation, discovery to trial, and tools for the measurement and avoidance of litigation risk in the enterprise. Credits 3

LAW 412 - Business Ethics and Corporate Responsibility
Ethical theory and decision making in the market, corporation as a moral agent, ethics as a component in strategic decision making, and government regulations and fiduciary obligations. (P4). Credits 3

**LAW 420 - Risk Management and Liability in Sport**

Liability associated with sports and the sport industry, including risk management systems and legal strategies to minimize liability. Credits 3

**LAW 430 - Construction Contracts and Law**

An overview of standard construction contracts traditionally used between contractors, owners, architects, and subcontractors from a general contractor point of view. Prerequisites 230, senior standing or permission of instructor. Credits 3

**LAW 440 - Labor and Employment Law**

Legal aspects of industrial relations, arbitration, bargaining, strikes, and labor practices; employment dispute resolution and federal employment laws. Credits 3

**LAW 475 - Legal and Professional Skills**

A capstone course. Synthesis of legal knowledge and professional skills in a virtual business environment. Prerequisites 230, 275, 331, senior standing or permission of department head. Credits 3

**LAW 480 - Independent Research in Business Law**

Business law major, permission of department head. Minimum GPA of 3.2 and senior standing. Prerequisites Business law major, permission of department head. Minimum GPA of 3.2 and senior standing. Credits 3

**LAW 483 - Internship in Business Law**

Supervised experience in applications of previously studied theory. S/U grading. Prerequisites Junior standing, 2.0 GPA, permission of department head. Minimum of 10 hours per week. Credits 3

**LAW 484 - Internship in Business Law**

Supervised experience in applications of previously studied theory. S/U grading. Prerequisites Junior standing, 2.0 GPA, permission of department head. Minimum of 10 hours per week. Credits 3

**LAW 485 - Internship in Business Law**

Supervised experience in applications of previously studied theory. S/U grading. Prerequisites Junior standing, 2.0 GPA, permission of department head. Minimum of 10 hours per week. Credits 3

**LAW 496 - Estate and Trust Planning**

Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, and asset...
Chemistry

CHEM 101 - Chemistry in Society

Introduction to chemistry emphasizing the impact of chemistry and scientific reasoning on society. 2 Lecture, 2 Lab. (C5). Credits 3

CHEM 132 - Survey of Chemistry I

Basic chemistry; atomic structure, chemical bonding and reactions, introduction to organic chemistry; lab introduction to experimentation. 3 Lecture, 3 Lab. Credits 4

CHEM 133 - Survey of Chemistry II

Continuation of CHEM 132, surveys organic and biochemistry, including structure and nomenclature, chemical and physical properties. 3 Lecture, 2 Lab. Prerequisites CHEM 132 or 139. Credits 4

CHEM 139 - General Chemistry I

Basic chemistry; atomic structure, chemical bonding, stoichiometry, acid/base; lab introduction to experimentation. 3 Lecture, 3 Lab. Credits 4

CHEM 140 - General Chemistry II

Bonding, thermochemistry, equilibria, acid/base principles, kinetics, and redox chemistry. 3 Lecture, 3 Lab. Prerequisites C- or better in CHEM 139 or permission of instructor. Credits 4

CHEM 171 - Inquiries into Chemistry

A discovery-based laboratory featuring guided inquiries into chemistry using current technologies. 3 Lab. Prerequisites CHEM 140, permission of instructor or department head. Credits 1

CHEM 190 - Chemistry in Industry

Principles of chemistry applied to industrial activities and the modern world. Scientific, economic, social, and ethical considerations will be discussed. Credits 3

CHEM 191 - Issues in Environmental Chemistry

Study of scientific concepts and facts relating to environmental issues. Topics will include environmental ethics, air and water pollution, recycling, food production, and agricultural chemistry. Credits 3

CHEM 192 - Human Gene Discovery Laboratory

Introduction to techniques used in gene discovery process. Credits 3

CHEM 193 - Chemistry in the Arts

Introduction to the chemical techniques and principals involved in visual art. Credits 3

CHEM 194 - Forensic Chemistry
Introduction to the chemical techniques used in criminal investigations. Credits 3

CHEM 232 - Quantitative Analysis

Theory and practice of methods to quantitatively determine chemical compounds, utilizing volumetric, gravimetric, spectrophotometric, and potentiometric techniques, chemical equilibrium-based sample preparation and statistical evaluation of data. 3 Lecture, 3 Lab. Prerequisites MATH 146 or MATH 153 and a grade of C or better in CHEM 140. Credits 4

CHEM 241 - Organic Chemistry I

An introduction to organic chemistry with an emphasis on structure and bonding, reaction mechanisms, and chemical reactivity. 3 Lecture, 3 Lab. Prerequisites CHEM 140 with a grade of C- or better. Corequisites Lab MUST be taken concurrently with lecture. Credits 4

CHEM 242 - Organic Chemistry II

Continuation of 241; covering fundamental principles and some advanced topics in organic chemistry as well as introductory theory of instrumentation and applications of spectral methods in structure determination. 3 Lecture and 3 Lab. Prerequisites CHEM 241 with a grade of C- or better. Corequisites Lab MUST be taken concurrently with Lecture. Credits 4

CHEM 321 - Inorganic Chemistry

Physical and chemical properties of the elements and their compounds; emphasis on chemical reactions. Prerequisites C or better in CHEM 140. Credits 3

CHEM 330 - Aquatic Chemistry

The sources, reactions, transport, and effects of chemical species in water. Topics include phase interactions, aquatic microbial biochemistry, water pollution and treatment. 3 Lecture, 3 Lab. Prerequisites CHEM 133 or 140. Credits 4

CHEM 331 - Environmental Organic Chemistry

Introductory organic chemistry, behavior of organic compounds in the environment, common environmental contaminants, physical-chemical properties, environmental transport, chemical transformations of organic contaminants, and the environmental fate of chemicals. 3 Lecture, 3 Lab. Prerequisites CHEM 133 or 140. Credits 4

CHEM 352 - Physical Chemistry: Chemical Thermodynamics

Introduction to chemical thermodynamics, equilibrium and kinetics. Prerequisites C or better in CHEM 232; C or better in MATH 153. Credits 3

CHEM 361 - Principles of Biochemistry

Structures and properties of biomolecules; central principles of metabolism. This course is cross-listed with BIOL 361. Prerequisites CHEM 242. Credits 3
CHEM 370 - Instrumental Analysis I

Introduction to instrumental methods, including gas and liquid chromatography; atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy; and photometric methods. 3 Lecture, 3 Lab. Prerequisites C or better in CHEM 232 and C or better in CHEM 241. Credits 4

CHEM 371 - Physical Chemistry Laboratory

Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems. 6 Lab. Prerequisites Simultaneous or previous enrollment in CHEM 352. Corequisites CHEM 352. Credits 2

CHEM 380 - Research in Chemistry

Chemical research projects for individual students. Lab; three hours weekly in lab per credit hour. Prerequisites 2.5 GPA in major and permission of instructor. Credits 1-3, R12

CHEM 389 - Cooperative Education in Chemistry

See Cooperative Education Program. Credits 1 or 3, R15

CHEM 411 - Industrial Chemistry

Processes, operations, marketing, and management in chemical manufacturing. Prerequisites CHEM 242, 370. Credits 3

CHEM 421 - Advanced Inorganic Chemistry

Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals and fundamentals of crystal-field and ligand-field theory. Prerequisites CHEM 321 and 352. Corequisites CHEM 453. Credits 3

CHEM 435 - Instrumental Analysis II

Advanced theory and practice in modern chemical instrumentation, including environmental, biological and materials application. Prerequisites CHEM 370. Corequisites CHEM 352. Credits 3

CHEM 440 - Synthetic Organic Chemistry

Synthetic methods and mechanistic study to include selected topics emphasizing relationships between structure and reactivity. Prerequisites A grade of C- or better in CHEM 242 lecture. Credits 3

CHEM 441 - Physical Organic Chemistry

An introduction to physical organic chemistry with an emphasis on structure and bonding and experimental determination of reaction mechanisms. Prerequisites A grade of "C-" or better in both CHEM 242 and CHEM 352. Credits 3

CHEM 442 - Introduction to Organic Polymers
Linear and cross-linked polymers and selected topics emphasizing relationships between structure and properties. **Prerequisites** CHEM 370. **Credits** 3

**CHEM 445 - Structural Determination**

Survey of instrumental methods used in determining the structure of organic molecules. Topics will include MS, IR, UV-Vis, $^1$H and $^{13}$C NMR, and multidimensional NMR techniques. **Prerequisites** A grade of C- or better in CHEM 242 lecture and 370. **Credits** 3

**CHEM 450 - Advanced Biochemistry**

Detailed analysis of the structures, properties, and functions of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. **Prerequisites** A grade of C or better in either CHEM 361 or BIOL 361. **Credits** 3

**CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy**

Quantum mechanics, introduction to atomic and molecular spectroscopy and applications of thermodynamics. **Prerequisites** MATH 255, PHYS 230 and C or better in CHEM 232. **Credits** 3

**CHEM 454 - Computer Interfacing**

Digital logic, computer design, and interfacing with laboratory instruments. This course is cross-listed with PHYS 454. 2 Lecture, 3 Lab. **Prerequisites** Permission of instructor. **Credits** 3

**CHEM 455 - Chemometrics**

Survey of numerical analysis of chemical data including quantitative and qualitative mixture analysis, classification, process optimization, and molecular target prediction with structure activity relationship modeling. **Prerequisites** A grade of C or better in CHEM 232 and completion or concurrent enrollment in CHEM 370. **Credits** 3

**CHEM 461 - Environmental Chemistry**

Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. **Prerequisites** CHEM 352. **Credits** 3

**CHEM 462 - Molecular Bioinformatics**

Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. 2 Lecture, 3 Lab. **Prerequisites** CHEM 361 or BIOL 361 or permission of instructor. **Credits** 3

**CHEM 463 - Molecular Biotechnology**

Overview of modern biotechnology from a molecular perspective. **Prerequisites** CHEM 361 or BIOL 361. **Credits** 3

**CHEM 464 - Genomics**

Molecular aspects of cellular genomes. **Prerequisites** CHEM 361 or BIOL 361. **Credits** 3
CHEM 465 - Forensic Chemistry

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. 3 Lecture, 3 Lab. Prerequisites CHEM 242 and 370. Credits 4

CHEM 471 - Inorganic Syntheses

Multistep synthesis of inorganic compounds along with advanced characterization techniques. Prerequisites A grade of C- or better in both CHEM 242 (lecture and lab) and CHEM 321. Credits 1

CHEM 472 - Organic Syntheses

Multistep synthesis of organic compounds along with advanced characterization techniques. Prerequisites A grade of C- or better in CHEM 242 (lecture and lab). Credits 1

CHEM 475 - Biochemistry Laboratory

Practical applications of biochemical and molecular biology techniques associated with the production and analysis of nucleic acids and proteins. 3 Lab. Corequisites CHEM 361 or BIOL 361. Credits 1

CHEM 493 - Topics in Chemistry

1-3 Lecture, 0-3 Lab or Seminar. Prerequisites Junior standing and permission of department head. Credits 1-3, R6

CHEM 495 - Seminar in Chemistry

Development of scientific communication skills including discipline-specific public speaking and critically listening to scientific presentations, preparation for post-baccalaureate opportunities. 2 Seminar. Credits 1

CHEM 521 - Advanced Inorganic Chemistry

Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals and fundamentals of crystal-field and ligand-field theory. Prerequisites Enrollment in the Chemistry 4+1 concentration with a grade of C or better in CHEM 321 and CHEM 352; or enrollment in the Chemistry MS program. Credits 3

CHEM 535 - Instrument Analysis II

Advanced theory and practice of modern chemical instrumentation including environmental, biological and materials applications. 2 lecture, 3 lab. Credits 3

CHEM 540 - Synthetic Organic Chemistry

Synthetic methods and mechanistic study to include selected topics emphasizing relationships between structure and reactivity. Prerequisites PREQ: Enrollment in the Chemistry 4+1 concentration with a grade of C- or better in CHEM 242 (lecture); or enrollment in the Chemistry MS program. Credits 3

CHEM 541 - Physical Organic Chemistry
An in-depth study of physical organic chemistry with an emphasis on structure and bonding and experimental determination of reaction mechanisms. **Prerequisites**

Enrollment in the Chemistry 4+1 concentration with a grade of C- or better in CHEM 242 and 352; or enrollment in the Chemistry MS program. **Credits** 3

**CHEM 542 - Introduction to Organic Polymers**

Linear and cross-linked polymers; selected topics emphasizing relationships between structure and properties. **Prerequisites** CHEM 370. **Credits** 3

**CHEM 545 - Structural Determination**

Survey of instrumental methods used in determining the structure of organic molecules. Topics will include MS, IR, UV-Vis, \(^1\)H and \(^{13}\)C NMR, and multidimensional NMR techniques. **Prerequisites** Enrollment in the Chemistry 4+1 concentration with a grade of C- or better in CHEM 242 (lecture) and CHEM 370; or enrollment in the Chemistry MS program. **Credits** 3

**CHEM 550 - Advanced Biochemistry**

Detailed analysis of the structures, properties, and functions of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. **Prerequisites** Enrollment in the Chemistry 4+1 concentration with a grade of C or better in CHEM 361 or BIOL 361; or enrollment in the Chemistry MS program. **Credits** 3

**CHEM 553 - Physical Chemistry: Quantum Chemistry and Spectroscopy**

Quantum mechanics, introduction to atomic and molecular spectroscopy and applications of thermodynamics. **Prerequisites** CHEM 352, MATH 255, and PHYS 230. **Credits** 3

**CHEM 555 - Chemometrics**

Survey of numerical analysis of chemical data including quantitative and qualitative mixture analysis, classification, process optimization, and molecular target prediction with structure activity relationship modeling. **Prerequisites**

Enrollment in the Chemistry 4+1 concentration with a grade of C or better in CHEM 232 and previous or concurrent enrollment in CHEM 370; or enrollment in the Chemistry MS program. **Credits** 3

**CHEM 561 - Environmental Chemistry**

Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. **Prerequisites** Chem. 352. **Credits** 3

**CHEM 562 - Molecular Bioinformatics**

Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. 2 Lecture 3 Lab. **Prerequisites** Chem. 361 or permission of instructor. **Credits** 3

**CHEM 563 - Molecular Biotechnology**
Overview of modern biotechnology from a molecular perspective. **Credits 3**

**CHEM 564 - Genomics**

Molecular aspects of cellular genomes. **Credits 3**

**CHEM 565 - Forensic Chemistry**

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. **Credits 4**

**CHEM 571 - Inorganic Syntheses**

Multistep synthesis of inorganic compounds along with advanced characterization techniques. **Prerequisites** Enrollment in the Chemistry 4+1 concentration with a grade of C- or better in both CHEM 242 (lecture and lab) and CHEM 321; or enrollment in the Chemistry MS program. **Credits 1**

**CHEM 572 - Organic Syntheses**

Multistep synthesis of organic compounds along with advanced characterization techniques. **Prerequisites** CHEM 242 or the equivalent courses from another institution, with a grade of "C" or better. **Credits 1**

**CHEM 575 - Biochemistry Laboratory**

Practical applications of biochemical and molecular biology techniques associated with the production and analysis of nucleic acids and proteins. **Prerequisites** A grade of C or better in CHEM 242 or permission of the instructor. **Credits 1**

**CHEM 593 - Topics in Chemistry**

Lecture, Lecture/Lab, Lab, or Seminar. **Prerequisites** Permission of Department Head. **Credits 1-3 Lecture, 0-3 lab or seminar**

**CHEM 596 - Seminar in Chemistry**

Development of scientific communication skills including public speaking and critically listening to scientific presentations, preparation for graduate studies. 2 Seminar. **Prerequisites** Junior-level standing; Enrollment in the 4+1 Program. **Credits 1**

**Cherokee**

**CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World**

Students develop basic knowledge of the Cherokee-speaking world. Using linguistic and content-based material, students will learn basic Cherokee. (P6). **Credits 3**

**CHER 132 - Elementary Cherokee II**

Continued audio-lingual practice of basic imperatives, idioms on the imperative stem, verbs of motion and locationals, and basic complement types. **Prerequisites** CHER 101. **Credits 3**

**CHER 231 - Intermediate Cherokee I**

Review and continuation of oral and written grammar, selected readings, and
lab practice may be assigned.**Prerequisites** CHER 132. **Credits** 3

**CHER 232 - Intermediate Cherokee II**

Readings and discussions on Cherokee culture; emphasis on pre-removal culture and its traces in language and readings in specialized areas.**Prerequisites** CHER 231. **Credits** 3

**CHER 310 - Introduction to Cherokee Literature**

Introduction to written Cherokee and Cherokee literary texts; reading and analysis of literary works.**Credits** 3

**CHER 351 - Phonetics and General Linguistics**

Introduction to linguistics; the Cherokee sound system from a phonetic and allophonic view; grammatical categories, morphology, and syntax.**Prerequisites** Permission of instructor.**Credits** 3

**Chinese**

**CHIN 101 - Modern Chinese: Language and Culture I**

An introduction to the study of Chinese language and culture. (P6).**Credits** 3

**CHIN 102 - Modern Chinese: Language and Culture II**

An introduction to Chinese language and culture. (P6).**Prerequisites** CHIN 101. **Credits** 3

**CHIN 231 - Intermediate Modern Chinese I**

Continued study of Chinese language and culture. (P6).**Prerequisites** CHIN 102. **Credits** 3

**CHIN 232 - Intermediate Modern Chinese II**

Continued study of Chinese language and culture. (P6).**Prerequisites** CHIN 231. **Credits** 3

**CHIN 321 - Chinese Civilization**

Geographical, political, cultural, and historical aspects of China. Instruction will be both in English and Chinese.**Prerequisites** CHIN 232 or instructor's permission.**Credits** 3

**Communication**

**COMM 190 - A User's Guide to the Mass Media**

Analysis of the practical, theoretical, historical, social, and cultural contexts of mass media, the techniques they use, and the impact of those techniques. 3 Seminar.**Credits** 3

**COMM 199 - Leadership Communication**

This course explores leadership as a communication-based endeavor through both theoretical and applied lenses. Students will be expected to both know and do. In addition to reviewing different approaches to leadership, this course will explore issues of diversity, ethics and "bad leadership," especially in crisis situations. Through analysis of current
events, discussion of case studies, participation in in-class exercises and engagement in the community, students will develop their ability to communicate effectively as a leader in small group, organizational and public contexts. Credits 3

COMM 201 - Foundations Communication

Basic principles of communication skills and theory in interpersonal, small group, and public communication. (C3). Credits 3

COMM 204 - Desktop Publishing

The use of personal computers and peripherals to produce publications and promotional materials. Credits 3, R6

COMM 215 - Organizational Communication

Channels of oral communication in complex organizations and organizational influences on communication. Credits 3

COMM 240 - Writing for Communication

Review of writing principles and fundamentals; identifying elements of news, news values; familiarization with styles used in journalism, broadcasting, advertising, and public relations. Prerequisites ENGL 101 Credits 3

COMM 245 - Radio Production I

Practical course in the basics of digital audio production of radio commercials and programming elements for radio broadcasting. Credits 3

COMM 255 - Television Production I

Introduction to the elements of TV broadcasting and production technology, equipment, and methodology. Minimum of 15 hours lab time per semester. Credits 3

COMM 260 - Introduction to Public Relations

The study of the management function of controlling an organization’s communication with its publics. Credits 3

COMM 283 - Radio Practicum I

Practical experiences in radio station operations at WWCU FM. Prerequisites Declared communication major. Credits 3

COMM 284 - Television Practicum I

Practical experiences in television production. Meets one hour per week with 75 hours of television studio or location activity required for the semester. Prerequisites COMM 255. Credits 3

COMM 296 - Introduction to Professional Development

Introductory professional development course for students interested in careers in the increasingly competitive communications industry. Prerequisites Communication majors and minors or permission of department head. Credits 3
COMM 301 - Interpersonal Communication

Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills. Credits 3

COMM 302 - Reporting of Public Affairs

Advanced reporting course on selected public affairs topics. Prerequisites COMM 240. Credits 3, R6

COMM 303 - Public Relations Writing

Writing persuasive messages for selected audiences in public relations. Prerequisites COMM 204, COMM 240. Credits 3

COMM 304 - Magazine and Feature Writing

Writing feature material for newspapers and magazines. Prerequisites COMM 240. Credits 3

COMM 305 - Sports Writing

Fundamentals of sports reporting for print media. Prerequisites COMM 240. Credits 3

COMM 307 - Advertising Writing

Writing advertising messages for the media. Prerequisites COMM 240. Credits 3

COMM 312 - Small Group & Team Communication

Techniques for participation in small groups, roles of group leader and participant, practice in problem-solving deliberation. Credits 3

COMM 313 - Conflict Resolution

Overview of the theories and applied techniques of conflict resolution; emphasis in acquiring specific conflict resolution skills in group, interpersonal, organizational, and intercultural contexts. Credits 3

COMM 325 - Health Communication

Focus on aspects of interpersonal, organizational, and mass communication in health care settings. Topics include relevant communication theory, and contemporary social issues affecting communication within a health context. Credits 3

COMM 330 - News Reporting I

Journalistic style writing for cross-platform news reporting in a digital journalism environment. Prerequisites COMM 240. Credits 3

COMM 345 - Public and Mediated Speaking

Principles of public communication skills as related to professional and mediated speaking. Prerequisites COMM 201 or equivalent and ENGL 202. Credits 3

COMM 346 - Communications Ethics and Responsibilities

The legal and moral responsibilities of communicators in the communication industry. Credits 3
COMM 350 - Communication Theory and Criticism

Survey of theoretical genres used across communication disciplines. **Prerequisites** COMM 301. **Credits** 3

COMM 352 - Writing for Broadcast

Writing commercials, public-service announcements, station promotions, and short educational/entertainment features for radio and television. **Prerequisites** COMM 240, COMM 255. **Credits** 3, R6

COMM 354 - Radio Production II

Advanced course in digital audio production for the radio broadcasting industry including multi-track commercial and programming element production. **Prerequisites** COMM 254. **Credits** 3

COMM 355 - Television Production II

Continuation of COMM 255 with emphasis on production, editing, and related technical/creative skills. Minimum of 30 hours lab time per semester required. **Prerequisites** COMM 255. **Credits** 3

COMM 365 - Public Relations Case Studies

Analysis and critique of the theories, strategies and factors used in classic and contemporary public relations campaigns and programs. **Prerequisites** COMM 260 or COM 325. **Credits** 3

COMM 375 - Communication in Family and Close Relationships

This course provides a broad overview of communication theories and issues found in close relationships, marriage, and family, and how those relationships are affected specifically by concerns and situations related to a health context. Topics include relationship development and maintenance when serious or chronic illness is present; social support and its effect on health, intimacy, and intimacy-related uncertainty associated with serious and/or infectious illness; communication and aging; and the impacts of health on relationships, loneliness, and bereavement. **Credits** 3

COMM 380 - Social Media Communication Campaigns

Designing, publishing, managing, and analyzing social media and digital communication campaigns across multiple platforms at the same time. Conducting, monitoring, and analytic activities of social media campaigns. **Credits** 3

COMM 383 - Radio Practicum II

Advanced experiences in radio station operations at WWCU FM. **Prerequisites** COMM 283. Communication majors and minors, 2.75 overall GPA or permission of department head. **Credits** 3

COMM 384 - Television Practicum II

Advanced practical experiences in studio and location television production. **Prerequisites** COMM 284. **Credits** 3

COMM 385 - News Practicum I
Editing, writing, producing news content for use in the on-campus news outlet (s). Content may include written/audio/video components. Meets 1 hour per week with 75 hours of news gathering and publishing activity required for the semester. **Prerequisites** COMM 240, 330. **Credits** 3

**COMM 400 - Crisis Communications**

Developing, following, and evaluating a crisis communication plan, serving as crisis spokesperson, and communicating with the media and other publics during a crisis. **Credits** 3

**COMM 403 - Communication Research Methods**

Designed as a survey of contemporary methods used for research in communication. Discussion with focus on methods for collecting both quantitative and qualitative data including surveys, focus groups, interviewing, and other observational methods. The course will provide an emphasis on interpreting & evaluating communication research reports. **Credits** 3

**COMM 414 - Gender Communication**

An examination of the communication behavior of women and men in different contexts; existing communication differences dealing with self-perception, information processing, verbal and nonverbal coding, images of women and men. **Credits** 3

**COMM 415 - Intercultural Communication**

Introduction to the practical application of intercultural communication theory and skills needed to manage the multicultural workplace. (P6). **Credits** 3

**COMM 416 - Communication Training and Development**

This course provides an introduction to the theory, methods, and techniques of communication training and development. **Prerequisites** COMM 301, COMM 345 and six hours of organizational or human communication classes. **Credits** 3

**COMM 417 - Advanced Professional Speaking**

Advanced principles of public communication skills as related to professional speaking. **Prerequisites** COMM 345. **Credits** 3

**COMM 430 - News Reporting II**

Finding sources of information, developing interview techniques, and writing news for digital journalism; emphasis on completing tasks under deadline conditions. **Prerequisites** COMM 330. **Credits** 3

**COMM 431 - International Reporting**

International Reporting is a hands-on journalism course focusing on international topics. Students will produce and write stories reporting on issues of global importance while targeting a US audience. The course includes personal interactions with journalists and correspondents actively working in various regions of the world to develop an understanding on how
local and national issues can have global impact. Credits 3

COMM 455 - Documentary Production

This documentary video production workshop emphasizes nonfiction field production. The workshop combines theory, history, and practice. Hands-on demonstrations, screenings, readings, lectures, and discussion prepare students to produce a documentary video production. Students gain production experience working individually and in groups. Classes include an emphasis on research, pre-planning and writing skills as integral components of video production. Prerequisites COMM 355. Credits 3

COMM 458 - Broadcast Sales and Promotion

Introduction to the skills involved in marketing and selling broadcast time and promotions. The course includes the opportunity for professional radio marketing certification. Prerequisites COMM 254 or 255. Credits 3

COMM 460 - Public Relations Campaigns

Identification and analysis of organizational publics, the development of specific communication strategies to influence those publics, and the implementation and evaluation of those communication strategies. Prerequisites COMM 204, 260, 303, 365. Credits 3

COMM 483 - Internship in Communications

Work experience in the communication industry. S/U grading. Prerequisites Completed 90 hours. Credits 3, R9

COMM 493 - Selected Topics in Communication

Study in a special area of interest in communication. Credits 3, R9

COMM 494 - Communication Projects

Practical experience, performance, or research in the fields of broadcasting, broadcast sales, journalism, public relations, or related areas. Prerequisites Permission of instructor. Credits 1-3, R6

COMM 496 - Seminar in Professional Development

The development and evaluation of professional credentials for entry into the communication industry. Prerequisites COMM 296. Credits 1

Communication Sciences and Disorders

CSD 270 - Introduction to Communication Disorders

Overview of speech-language-hearing disorders in children and adults. Credits 3

CSD 272 - Fundamentals of Speech and Language Analysis

Studies in the structural foundations of language and exploration of analytic tools for studying language and
language disorders. **Prerequisites** CSD 270. **Credits** 3

**CSD 301 - Speech and Language Development**

Speech and language development in normal children; survey of procedures and tools used to study language development and acquisition. **Prerequisites** CSD 270 or equivalent. **Credits** 3

**CSD 302 - Communication Development and Disorders**

The developmental phases of content, form, and use of language; survey of techniques for use with language-disordered children; designed for nonmajors. **Credits** 3

**CSD 370 - Phonetics**

Study of sound feature production; phonetic transcription. **Prerequisites** CSD 270 or equivalent. **Credits** 3

**CSD 372 - Acoustics and Speech Science**

Principles and concepts in speech production and perception; techniques for acoustic analysis. **Credits** 3

**CSD 380 - Anatomy and Physiology of the Speech Mechanism**

Study of the anatomic structures involved in speech and their function in the speech process. **Prerequisites** CSD 270, 370 or equivalent. **Credits** 3

**CSD 421 - Measurement Practices in Communication Disorders**

Examination of formal and informal testing procedures used in evaluating children and adults with suspected communication disorders. **Credits** 3

**CSD 450 - Introduction to Audiology**

Fundamentals of audiology; the physics of sound and its measurement; aural anatomy, physiology, etiology, and pathology. **Prerequisites** CSD 372 or equivalent. **Credits** 3

**CSD 451 - Introduction to Sign Language I**

An introduction to sign. Basic vocabulary (expressive and receptive) and cultural information. **Credits** 3

**CSD 452 - Introduction to Sign Language II**

A continuation of introduction to sign language. Additional vocabulary (expressive and receptive) and cultural information. **Prerequisites** CSD 451 or equivalent. **Credits** 3

**CSD 470 - Speech-Language Disorders in Adults**

A survey course of communication and swallowing disorders in adults following brain injury. **Prerequisites** CSD 301, 370, 372, 380 or permission from instructor. **Credits** 3

**CSD 472 - Aural Rehabilitation**

Acoustic and visual components of speech; amplification and training procedures. **Prerequisites** CSD 301, 370, 372 or permission of instructor. **Credits** 3
CSD 477 - Speech-Language Disorders in Children

Analysis of childhood language and speech disorders; evaluation and implementation of treatment approaches. Prerequisites CSD 301, 370, 372 and 380. Credits 3

CSD 478 - Fluency and Voice Disorders

A survey of theory, assessment, and treatment of fluency disorders and voice disorders in children and adults. Prerequisites CSD 301, 370, 372, 380 or permission of instructor. Credits 3

CSD 479 - The Clinical Process

Orientation to the roles and responsibilities of clinicians in the practice of speech-language pathology and audiology. Prerequisites CSD 301, 370, 372 and 380 or permission of instructor. Credits 3

CSD 494 - Topics in Communication Disorders

Topics in Communication Disorders. Prerequisites Permission of instructor. Credits 1-3, R6

Computer Information Systems

CIS 195 - The Information Society at Work

The impact of computer and telecommunications technologies on the way we work; special focus on the individual, organizational, and societal impacts of remote work arrangements. Credits 3

CIS 235 - Foundations of Information Technology

Architecture of modern computer systems including peripherals; data communications and networking with fault-tolerant computing; language transition; operating systems software, and utilities. Credits 3

CIS 240 - Business Applications Development I

Intro to Web Development Introduction to front-end web development with HTML, CSS and JavaScript. Current APIs and libraries such as GeoLocation, Google Maps, jQuery, and Bootstrap will also be introduced. Credits 3

CIS 251 - Managing Enterprise Information Systems

An introduction into enterprise information systems and how they are used to assist businesses and organizations achieve their mission and gain a competitive advantage. Credits 3

CIS 253 - Database Theory, Practice, and Application Development

Theory of database design, best practices, and application development to aid good decision making while solving business problems. Credits 3

CIS 293 - Topics in Computer Information Systems

Topics in Computer Information Systems. Credits 1-3, R6
CIS 335 - Enterprise Technology Management

The development, management, and planning of information technologies in the enterprise environment. Prerequisites CIS 235. Credits 3

CIS 340 - Web Back-End Development

Back-end development with ASP.net MVC, C# and Entity Framework. As time permits, creating and using RESTful Web Services will also be explored. Prerequisites CIS 240. Credits 3

CIS 360 - Business Intelligence

Provides an approach to retrieve, organize, and visualize data in a way that helps decision makers make better decisions. Credits 3

CIS 389 - Cooperative Education in Information Systems

See Cooperative Education Program. Credits 1 or 3, R15

CIS 403 - Business Research and Reports

Identification of research problems; collecting and analyzing data; presenting findings for decision-making. Credits 3

CIS 440 - Advanced Business Programming Applications

Use of advanced programming techniques to solve business problems and create web based applications. Prerequisites CIS 340. Credits 3

CIS 453 - Database Management Systems

Installing, configuring, using, and maintaining an enterprise DBMS in a virtual environment including a few typical DBA tasks. Prerequisites CIS 253. Credits 3

CIS 455 - Computer Information Systems Analysis and Design

Object-oriented analysis and design. Object identification, problem identification, feasibility, system requirements, prototyping, design-related activities, and formal report writing. Prerequisites CIS 340. Credits 3

CIS 465 - CIS Capstone

Preparation for professional careers in CIS and further exploration of coding, networking, database, or other IT-related areas. Prerequisites CIS 453 and 455. Credits 3

CIS 466 - Small Business Computing

Technology, software design, programming techniques, system design, and analysis related to mini- and microcomputers. Prerequisites CIS 251. Credits 3

CIS 480 - Independent Research in Information Systems

Independent Research in Information Systems. Prerequisites CIS major; permission of department head. Credits 3
CIS 483 - Internship in Information Systems

Supervised experience using previously studied theory. S/U grading. Prerequisites Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week. Credits 1-3, R6

CIS 484 - Internship in Information Systems

Supervised experience using previously studied theory. S/U grading. Prerequisites Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week. Credits 1-3, R6

CIS 485 - Internship in Information Systems

Supervised experience using previously studied theory. S/U grading. Prerequisites Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week. Credits 1-3, R6

CIS 493 - Topics in Information Systems

Topics in Information Systems. Prerequisites Permission of department head. Credits 1-3, R15

Computer Science

CS 130 - Introduction to Computing

An introduction to programming using a scripting language including variables, input/output, and conditional statements. Other topics covered at the discretion of the instructor. Credits 3

CS 150 - Problem Solving and Programming I

Problem solving and algorithm development using an object-based programming language: classes, selection, iteration, arrays, and generic classes. 3 Lecture, 2 Lab. Prerequisites MATH 130 or math placement. Credits 4

CS 151 - Problem Solving and Programming II

Object-oriented program development and elementary data structures: pointers and dynamic allocation, generic classes and inheritance, recursion, linked lists, stacks, and queues. 3 Lecture, 2 Lab. Prerequisites Passing of CS 150 with at least a grade of C. Corequisites MATH 146 or MATH 153 or MATH 255. Credits 4

CS 191 - How Does Software Work?

We all use software everyday. Learn how to write in a programming language and reflect on how computer software is influencing your life. Credits 3

CS 210 - Internet Security and Ethics

Types of Internet-based attacks, counter-measures, and the ethical issues that arise. Hacking, viruses, worms, spam, identity theft, cryptography, intellectual property, software piracy. (P4). Credits 3
CS 250 - Introduction to Computer Systems
The computer architecture and system call interfaces; assembly language programming; implementation of system calls; linking, exceptions, interrupt handling, and input/output. Prerequisites CS 151 or both 150 and EET 331. Credits 3

CS 253 - Software Development
Techniques for design and construction of reliable, maintainable, and useful software systems. Software development methodologies and object-oriented design for medium and large projects. Prerequisites Passing of CS 151 with at least a grade of C. Credits 3

CS 263 - Software Engineering
Large scale software development methodologies; software development process and life-cycle models; object-oriented analysis and design; verification and validation; planning and estimating software development efforts. Prerequisites CS 253. Credits 3

CS 321 - Contest Preparation
Review of algorithm design techniques and practice solving programming problems using those techniques. Prerequisites CS 151. Credits 1, R2

CS 325 - Information Security I
Cryptography; confidentiality, integrity, and availability; authentication and authorization; access control; risk, threats, and vulnerabilities; cryptanalysis; defensive programming. Prerequisites CS 253. Credits 3

CS 350 - Computer Organization
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization. Corequisites CS 253. Credits 3

CS 351 - Data Structures and Algorithms
Advanced data structures and algorithms, execution time, recursion, sorting, searching, graphs, trees, hash tables, design techniques, and mathematics for algorithm analysis. Corequisites CS 253 and MATH 255. Credits 4

CS 352 - Organization of Programming Languages
Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation. Corequisites CS 253 and MATH 255. Credits 3

CS 353 - Social and Ethical Issues of Computing
Social and ethical issues of computing: privacy, computer reliability, freedom of speech, intellectual property, and computer crime. Prerequisites CS 350. Credits 1

CS 360 - Theory of Computation
An introduction to finite automata and regular expressions, context-free languages, Turing machines, Church's thesis, and recursive functions, uncomputability, and computational complexity. **Prerequisites** MATH 250. **Credits** 3

**CS 370 - Operating Systems**

Concurrency (synchronization primitives and deadlock) and implementation of the operating system kernel (Process management, memory management, and file systems); introduction to computer networks. **Corequisites** CS 352. **Credits** 3

**CS 389 - Cooperative Education in Computing**

See Cooperative Education Program. **Credits** 1 or 3, R15

**CS 393 - Topics in Computer Science**

Topics in Computer Science. **Prerequisites** CS 151. **Credits** 1-3, R6

**CS 431 - Information Security II**

Software reverse engineering, program security, operating systems and database systems security, security administration and audits (prevention, detection, and response), standards for information assurance. **Prerequisites** CS 430. **Corequisites** CS 370. **Credits** 3

**CS 451 - Algorithms**

Selected topics from the theory of algorithms. Topics may include algorithms for parallel computers, polynomials and FFT, number-theoretic algorithms, and computational geometry. **Prerequisites** CS 351. **Credits** 3

**CS 452 - Advanced Computer Architecture**

Advanced topics in computer architecture including pipelining, multiple and parallel processing systems, issues in performance enhancement, data flow computers, and VLSI computations. **Prerequisites** CS 350. **Credits** 3

**CS 453 - Database Systems**

Relational query languages (SQL), database design, normal forms, storage structures, access methods, query processing, crash recovery, transactions, distributed databases, object-oriented and multimedia databases. **Prerequisites** CS 253. **Credits** 3

**CS 460 - Compiler Construction I**

Grammar and finite-state automata; parse trees; top-down and bottom-up parsing; LL(k) and LR(k) grammar; syntax-directed translation; term project. **Prerequisites** CS 351. **Credits** 3

**CS 461 - Computer Graphics**

Graphics system architecture; the biological basis of human viewing; primitives, color, and interaction; two-dimensional and three-dimensional object construction and transformation; projection types; and
lighting. **Corequisites** CS 253. **Credits** 3

**CS 462 - Linux Tools**

Linux tools; shell scripting; program development tools; process controls; Introduction to an advanced scripting language (i.e., php, perl, or python). **Corequisites** CS 253. **Credits** 3

**CS 465 - Computer Networking**

Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, component APIs. **Prerequisites** CS 253. **Credits** 3

**CS 467 - Mobile Application Development**

Topics include tools and techniques for mobile application development; resource-constrained software development; accessing device resources (sensors, maps); mobile networking. **Prerequisites** CS 253. **Credits** 3

**CS 480 - Artificial Intelligence**

Machine intelligence; problem reduction, state space search, game trees, expert systems; resolution principle; introduction to LISP. **Prerequisites** CS 351. **Credits** 3

**CS 493 - Topics in Computer Science**

Topics in Computer Science. **Prerequisites** CS 151. **Credits** 1-6, R6

**CS 495 - Capstone I**

A seminar in which the student starts the capstone project and the capstone portfolio. **Prerequisites** CS major, 70 earned credit hours; C in CS 253 and CS 351. **Credits** 2

**CS 496 - Capstone II**

A seminar in which the student completes the capstone project and the capstone portfolio. **Prerequisites** CS 495. **Credits** 2

**Construction Management**

**CM 121 - Introduction to Construction**

A survey of the construction industry to include history, career opportunities, types of construction, differences in office and jobsite working conditions, expectations, and vocabulary. **Credits** 3

**CM 142 - Construction Plan Reading**

This is an introductory course designed to prepare students to identify, read and interpret construction drawings. The course will be delivered from an applied perspective with an emphasis on understanding the processes involved in construction and interpreting them from drawings. **Credits** 3

**CM 180 - Construction Graphics and Building Information Modeling**

This course is an introduction to construction graphics, sketching, and 3D modeling. Students will be introduced to operational procedures and usage of AutoCAD and Revit.
drafting programs that exist in construction and architecture. **Credits 3**

**CM 190 - Green Building and Sustainability**

The purpose of this course is to introduce students to the intellectual life of the University through exploration of the concepts and practices associated with sustainability and green building. In particular, these concepts will be explored through examination of the importance of sustainability at the local, regional, national and global levels. **Credits 3**

**CM 211 - Construction Methods and Materials**

Vertical construction emphasizing comprehensive analysis of materials, design and specifications, installation methods, testing and inspection, and appropriate construction methodology for application. 2 Lecture, 2 Lab. **Credits 3**

**CM 212 - Soils, Foundations, Concrete, and Masonry**

This course defines the methods and materials used in foundations, load bearing exterior walls and bridges including reinforced concrete and masonry. Asphalt and fiber reinforced polymeric (FRP) composite materials are also introduced and examined. Emphasis is placed on a comprehensive analysis of materials, design and specifications, installation methods, testing and inspection standards, and appropriate construction methodologies for application. 2 Lecture, 2 Lab. **Prerequisites CM 121. Credits 3**

**CM 222 - Construction Surveying Layout**

Development of the surveying skills necessary on a construction jobsite with emphasis placed on operation of instruments and accuracy of field notes. 2 Lecture, 2 Lab. **Prerequisites MATH 146 or MATH 152 or MATH 153. Credits 3**

**CM 231 - Construction Documents and Codes**

Introduction to CSI specifications, construction documentation terminology, building codes, and the documentation process of construction projects. **Credits 3**

**CM 232 - Construction Statics and Strength of Materials**

Study of forces and the effect of forces acting on static bodies, including the stresses and deflections or deformations from applied loads. **Prerequisites PHYS 130. Credits 3**

**CM 242 - Estimating I**

Introduction to the classification of work from plans and specifications, and application of basic quantity take-off principles. **Prerequisites CM 142. Credits 3**

**CM 296 - Professional Development Seminar**

Course focuses on job search issues, job offers and counter offers, evaluating job offers, resume preparation, interview skills, and introduces community service as a life-long activity. S/U grading. **Credits 1**
CM 332 - Construction Site Planning and Equipment

A study of the construction worksite and preparation of a site utilization plan to include typical construction equipment and its selection and jobsite safety. Corequisites CM 212. Credits 3

CM 342 - Estimating II and Bidding

Pricing of materials, labor, equipment, overhead costs, and profit margins will be calculated to produce an estimate. A practice bid scenario will also be introduced. Prerequisites CM 242. Credits 3

CM 362 - Construction Planning and Scheduling

A course using construction scheduling software with plans and specifications will be used in planning a construction project from start to finish. Prerequisites CM 342. Credits 3

CM 365 - Construction & Culture

The purpose of this course is to broaden the student's awareness of the significance of construction globally. (P6). Credits 3

CM 375 - Mechanical and Electrical Construction

An introduction to the basics of mechanical, electrical, plumbing and fire protection systems (MEP) in construction. This includes installation of systems and resources necessary. 2 Lecture, 2 Lab. Prerequisites CM 121. Credits 3

CM 389 - Cooperative Education in Construction

See Cooperative Education program. Prerequisites Permission of instructor. Credits 1 or 3, R15

CM 390 - Environmental Issues in Construction

Comprehensive overview of environmental impact of common construction processes; and, environmental/occupational hazards and liability associated with those processes. 3 Lecture, 2 Lab. Credits 4

CM 393 - Topics in Construction Management

Topics in Construction Management. Prerequisites Construction Management major or permission of instructor. Credits 1-3, R9

CM 401 - Construction Temporary Structures

Introductory course covering temporary structural supports, formwork, and concrete. Areas of concentration include steel, timber, concrete and masonry. Prerequisites CM 232. Credits 3

CM 402 - Construction Financial Management

Financial management of construction companies, using analysis of financial statements, budgeting cash flow and cost code reporting. Prerequisites ACCT 251. Credits 3
CM 421 - Construction Human Factors and Safety

An overview of the social dynamics within a construction company between management and labor, architect and contractor, and safety issues in construction. Prerequisites: Junior standing. Credits: 3

CM 424 - Facilities Management

Facility management encompasses multiple disciplines to ensure functionality of the built environment by integrating people, place, process, and technology. This course provides an overview of the principal duties of a facility manager and core competencies of the profession, business aspects of facility management, and fundamentals of financial analysis for real estate and income properties. Introduction to emergency management, and project delivery is also part of this course. Credits: 3

CM 430 - Construction Legal Aspects

An overview of standard construction contracts traditionally used between contractors, owners, design professionals and subcontractors from a general contractor's point of view. Prerequisites: LAW 230. Credits: 3

CM 431 - Construction Project Management

The study of construction procedures and administration process using the latest construction management technologies and methods to explain typical project management functions and documentation. Prerequisites

CM 452 - Construction Capstone Project

Simulation of a general contracting construction company obtaining work through the estimating, bidding, scheduling, cash flow projections process using plans and specifications. 2 Lecture, 2 Lab. Corequisites: CM 431. Credits: 3

CM 461 - Land Development I

This course introduces and develops the student's knowledge of land development feasibility and site analysis, conceptual design, planning, environment regulations and construction. Credits: 3

CM 462 - Land Development II

This course introduces and develops the understanding of construction and land development project financing. The course will focus on analytical techniques and the development process. Prerequisites: CM 461. Credits: 3

CM 463 - Land Development III

This course introduces land planning and subdivision regulations, contract administration, and budgetary controls for land development. Prerequisites: CM 461. Credits: 5

CM 480 - Independent Study

Independent Study. Prerequisites: Construction management major and
permission of instructor. **Credits** 1-3, R6

**CM 483 - Applied and Engaged Internship in Construction**

A supervised, integrated, applied, and engaged summer work experience of 400 hours in the construction industry as approved in advance. S/U grading. **Prerequisites** Construction management major. **Credits** 2

**CM 496 - Professional Development Seminar**

Course focuses on job search issues, job offers and counter offers, evaluating job offers, resume preparation, interview skills, and introduces community service as a lifelong activity. S/U grading. **Prerequisites** Construction Management major with senior standing or permission of instructor. **Credits** 1

**Counseling**

**COUN 140 - Skills for College Life**

Academic, procedural, and social elements for success in college and beyond. 1 Lecture, 1 Lab. **Credits** 1

**COUN 325 - Survey of Human Development**

The life span, prenatal through death; the social, emotional, cognitive, moral, and physical characteristics of each stage. **Credits** 3

**COUN 430 - Individual and Group Counseling**

Principles and techniques of individual and group counseling, communication techniques, and participation in role playing and group processes. **Credits** 3

**COUN 440 - Leadership and Advocacy**

Leadership and advocacy within agency and educational settings. **Credits** 3

**Criminal Justice**

**CJ 150 - Introduction to Criminal Justice & Criminology**

Evaluation of formal institutions dealing with crime in Western culture; overview of major components of the criminal justice system. **Credits** 3

**CJ 175 - International Perspectives on Justice**

The purpose of an international criminal justice study course is for students to broaden their global, historical, and comparative criminal justice perspective. This is the epitome of engaged learning because students will conduct related research and then travel abroad to the country of focus. **Credits** 3

**CJ 185 - Majoring in Criminology and Criminal Justice**

Introduces expectations and needs of majors, including the ebrieave, writing standards, career options, program activities and critical resources. **Credits** 1

**CJ 190 - Controversies in Criminal Justice**
Topical issues in criminal justice are explored and discussed in the context of political and social realities of contemporary American society. 3 Seminar. Credits 3

CJ 204 - Criminal Law

The nature and definition of substantive criminal offenses; examination of federal and state law; principles of criminal liability, defenses, and complicity. Credits 3

CJ 280 - Research Methods for Criminology & Criminal Justice

This is a writing intensive course that places emphasis upon the design, interpretation, and writing of criminological research. Prerequisites CJ 150. Credits 3

CJ 290 - Introduction to Forensic Science

This course introduces the concepts and methods involved in applying scientific principles to the collection, examination, evaluation, and interpretation of evidence. Credits 3

CJ 293 - Introductory Special Topics

This course is designed for freshman and sophomores and will cover special topics in criminology and criminal justice. Credits 3

CJ 305 - Social Justice and the Law

This course focuses on issues of diversity, oppression, and social justice. We will examine how social theorists conceptualize the relationship between law and society. Credits 3

CJ 310 - Victimology

A study of the experiences of crime victims with the criminal justice system as well as victim characteristics, vulnerability, and culpability. Credits 3

CJ 311 - Juvenile Justice and Delinquency

The phenomenon of juvenile delinquency; evaluation of a unique justice system for children; related concerns, problems, and expectations. Credits 3

CJ 315 - Investigative Principles

This course introduces the concepts and methods of the investigative process. Credits 3

CJ 320 - Police in Society

Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society. Credits 3

CJ 322 - Stress Management in Criminal Justice Professions

An examination of job related stressors and stress management. Prerequisites CJ 150. Credits 3

CJ 323 - Crime Scene Investigations

A survey of methods and techniques used in the scientific investigation of criminal offenses. Prerequisites CJ 150. Credits 3

CJ 330 - Criminal Courts
State and federal court systems, criminal judicial process, and rights of the individual. Credits 3

CJ 333 - Sports, Crime & Delinquency

This course examines a range of criminal behaviors that occur in and around sport. Drawing from a host of historical and contemporary examples, this course will explore drug use, domestic violence, match fixing, assault, and other criminal behaviors typically addressed by the criminal justice system. In addition, this course will examine the varied responses by the criminal justice system to both high-profile and "everyday" acts of sport-related violence such as fan misbehavior. We will also examine a range of existing preventative strategies designed to reduce athlete-related violence across a range of sports. Credits 3

CJ 340 - Institutional Corrections

Examination of modern corrections through review of penal history, theory, and practice. Credits 3

CJ 342 - Myths and Media in Criminal Justice

Examines the portrayal of victims, offenders, police, courts, and corrections in all forms of media in the United States. Credits 3

CJ 343 - Criminal Procedure and Judicial Process

Exploration of criminal procedure highlighting constitutional limits related to search and seizures, identifications, confessions, and admissions. Included are judicial processes related to the constitution. Credits 3

CJ 345 - Organized Crime

Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field. Credits 3

CJ 347 - Gender & Crime

Discusses whether there are gender differences in antisocial behavior/defending, the risk factors for offending, the consequences of offending, and the treatment of offending. Credits 3

CJ 351 - Violence in American Society

Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. Credits 3

CJ 354 - Comparative Criminal Justice Systems

The course examines systems of law, police, courts, and corrections in different countries in order to demonstrate the diversity in legal systems. Credits 3

CJ 355 - Theories of Crime

Theories of law, justice, punishment, and crime causation. Credits 3

CJ 358 - Computer Applications & Criminal Justice
An overview of computer applications related to the criminal justice field and their use for decision making, policy development and research. Prerequisites CJ 250 or instructor approval. Credits 3

CJ 363 - Geographic Information Systems in Criminal Justice

Exploration of theory and techniques associated with collection, display, analysis, and storage of geographic information in criminal justice environments. Prerequisites CJ 150. Credits 3

CJ 365 - Cyber Crimes

This course provides an overview of high technology crimes and the procedures used in the detection, investigation, and prosecution of technological crimes. Prerequisites Permission of instructor is required for non majors. Credits 3

CJ 370 - Ethics in Criminal Justice

Examination of ethical issues in the criminal justice field. Credits 3

CJ 375 - White-Collar Crime

An examination of white-collar crimes and the criminal justice response to those crimes. Credits 3

CJ 380 - Statistical Analysis for Criminology & Criminal Justice

Basic introduction to statistics in a criminal justice setting. Prerequisites CJ 280. Credits 3

CJ 385 - Issues in Correctional Treatment

An examination of modern corrections through a review of practices, policies, and problems. Credits 3

CJ 424 - Community Corrections

Development, organization, operation, and results of probation and parole systems as substitutes for incarceration. Credits 3

CJ 425 - Police Practices and Problems

Examination of the police role and law enforcement policy, police organization, personnel issues, management and operations, consolidating patrol services, and community and problem-oriented policing. Credits 3

CJ 434 - Legal Liability and Criminal Justice Personnel

Theory and basic principles of liability and immunity of criminal justice personnel and agencies under both state and federal law. Also examines techniques for minimizing liability. Prerequisites CJ 150. Credits 3

CJ 438 - Minorities, Crime and Social Policy

Examination of theories and dynamics of ethnic minority status, racism, crime, and social policy in America. Credits 3

CJ 439 - Criminal Justice Management
The administrative aspects of criminal justice practice and principles of supervision as related to planning and procedure of police, judicial and correctional agencies. **Prerequisites** CJ 150. **Credits** 3

**CJ 448 - Community Policing**

An examination of the theories of community policing, problem-solving models, alternative dispute resolution strategies, and police-community relationships. **Credits** 3

**CJ 460 - Drugs and Society**

An examination of drugs, pharmacological classification and effects, drug abuse, the evolution of drug laws, law enforcement, and correctional responses for drug offenders. **Credits** 3

**CJ 462 - Applied Research**

Lectures and assignments in applying research techniques to real world problems. **Credits** 3

**CJ 463 - Life Course Criminology**

The course discusses how genetic, biological, psychological, and environmental factors increase or decrease the likelihood of antisocial behavior across the life course. The course also discusses how this information is used to create effective and developmentally sensitive interventions to treat antisocial behavior. **Credits** 3

**CJ 470 - Criminal Justice Policy**

Overview of the processes of policy development and policy implementation as well as analyses of the role of politics, media, and bureaucracy. **Prerequisites** CJ 150. **Credits** 3

**CJ 475 - International Studies in Law and Society**

Study abroad program at various international sites; extensive overview of the system of justice and its relationship to the cultural ethos of each country visited. **Credits** 3, R6

**CJ 480 - Independent Study in Criminology & Criminal Justice**

Directed independent study in criminal justice. **Prerequisites** Junior standing; minimum 3.0 GPA; approval of instructor; and approval of Department Head. **Credits** 1-3, R6

**CJ 483 - Internship in Criminal Justice**

Supervised applications of academic study in a practical criminal justice setting. **Prerequisites** Junior standing; Majors only; Junior standing; permission of instructor; 135 internship hours are required per three hours credit. Six hours credit given as CJ electives; an additional six hours may be given as general elective credit. **Credits** 3-6, R12

**CJ 493 - Topics in Criminology & Criminal Justice**

Topics in Criminology and Criminal Justice. **Credits** 3, R12

**CJ 495 - Senior Seminar**
Capstone course designed to assess the knowledge and skills of graduating seniors and to prepare them for further study or careers within the discipline. **Prerequisites** Majors only, senior status. **Credits** 3

**Curriculum and Instruction**

**EDCI 191 - Teachers, Schools, and Society**

An interdisciplinary examination of the ways in which public policy debates about schooling reflect ideological differences in American society. **Credits** 3

**EDCI 200 - Seminar in Leadership Development**

Leadership development through seminars with university and public-school professionals, field trips, and service projects. S/U grading. **Credits** 1, R4

**EDCI 201 - Teacher Leadership in a Diverse Society**

Developing a vision for teaching, learning and leading in the 21st Century school; understanding the philosophical, historical, cultural and social framework of schooling. Field experience and subscription to TaskStream© required. **Credits** 3

**EDCI 231 - Historical, Social, and Philosophical Foundations of Education**

Survey of historical, sociological, and philosophical aspects of education and current influences, including diversity and technology. Introduction to teacher education conceptual framework. Field experience required. **Credits** 3

**EDCI 300 - Seminar in Teaching and Research**

Leadership development through seminars, projects with mentors, and independent study. S/U grading. **Prerequisites** Admission to the professional education sequence. **Credits** 1, R3

**EDCI 305 - Global Educational Systems**

The examination of methods, major concepts and current historical, economic, social, political, ethnic and religious trends as they relate to education around the world. **Credits** 3

**EDCI 404 - Curricular Trends and Issues in Education**

Explores newest curricular methods, topics, and issues; and relates these to the work of Jamaican teachers. **Credits** 3

**EDCI 413 - Teacher Leadership in Jamaica**

This course compares the leadership responsibilities of Jamaican teachers with those of teachers in America. **Credits** 3

**EDCI 480 - Reading and Research in Education**

Reading and Research in Education. **Prerequisites** Permission of department head. **Credits** 3

**Dance**
DA 253 - Social/Ballroom Dance

Basic steps involved in popular social and ballroom dances. 2 Studio. Credits 1

DA 255 - Tap I

Beginning tap rhythms with emphasis on vocabulary and execution. 2.5 Studio. Prerequisites DA 261 or permission of instructor. Credits 2

DA 257 - Dance Performance

Student involvement in a departmentally sponsored production. S/U grading. 3 Studio. Prerequisites Permission of instructor. Credits 1, R3

DA 258 - Dance Techniques

Foundation techniques of ballet, modern and jazz with a strong emphasis on dance terminology. 3 Studio. Prerequisites Permission of instructor. Credits 2, R6

DA 259 - Dance Appreciation

Survey of the history of Western concert dance with an emphasis on the cultural, political, and social influences that shape our view of the medium. (P5). Credits 3

DA 260 - Anatomy for Dance

Anatomy/biomechanics as it applies to dance techniques culminating in an individualized conditioning program to improve muscular/cardiovascular strength and range of motion/flexibility. 2 Lecture, 1 Studio. Credits 2

DA 261 - Ballet I

Beginner/Intermediate ballet technique. 3 Studio. Prerequisites DA 258 or permission of instructor. Credits 2, R4

DA 262 - Modern I

Beginning modern dance technique. 3 Studio. Prerequisites DA 258 or permission of instructor. Credits 2, R4

DA 263 - Musical Theatre Styles

Survey of historical trends in American Musical Theater through choreography. 3 Studio. Prerequisites DA 258, DA 255, DA 261, DA 264, or permission of instructor. Credits 2, R4

DA 264 - Jazz I

Beginning techniques and style involved in jazz dance. 3 Studio. Prerequisites DA 258 or permission of instructor. Credits 2, R4

DA 265 - Musical Theatre Styles

Survey of historical trends in American Musical Theatre through choreography. Prerequisites DA 255, DA 261, and DA 264 or permission of instructor. Credits 2, R4

DA 301 - Dance Choreography

Applications of dance technique in creative composition. Involves various types of dance. 1 Lecture, 2 Studio. Prerequisites DA 258. Credits 2

DA 302 - Choreography Production
The development, presentation, and evaluation of choreographic projects designed by individual students. These may include theatrical, school, and community involvement. 1 Lecture, 2 Studio. **Prerequisites** DA 301. **Credits** 2

**DA 303 - Ballet II**

Intermediate/advanced ballet technique. Progressive and continuous perfecting of more advanced skills in ballet technique. 3 Studio. **Prerequisites** DA 261 or permission of instructor. **Credits** 2, R4

**DA 304 - Modern II**

Intermediate/advanced technique. 3 Studio. **Prerequisites** DA 262 or permission of instructor. **Credits** 2, R4

**DA 305 - Jazz II**

Intermediate/advanced jazz technique. 3 Studio. **Prerequisites** DA 261 and DA 264 or permission of instructor. **Credits** 2, R4

**DA 306 - Tap II**

Intermediate/advanced tap rhythms. Progressive and continuous perfecting of the tap dance technique. 3 Studio. **Prerequisites** DA 255 or permission of instructor. **Credits** 2, R4

**DA 307 - Teaching Methods for Dance**

Explores the preparation and execution of a dance technique class. Will include curriculum design, teaching assignments and documentation of student assessment. 2 Lecture, 1 Studio. **Prerequisites** DA 303, 304, or 305 and 260. **Credits** 2

**DA 401 - Musical Theatre Choreography**

Survey and practical application of approaches to musical theatre choreography. **Prerequisites** DA 255, DA 303, DA 305, or permission of instructor. **Credits** 2

**DA 402 - Musical Theatre Song & Dance**

Applications of dance and movement concepts in relation to solo musical theatre song performance. **Prerequisites** THEA 106, THEA 206, DA 255, DA 261, DA 264, or permission of instructors. **Credits** 2

**DA 403 - Ballet III**

Advanced ballet technique. Progressive and continuous perfecting of advanced skills in ballet technique. Additional survey of both classical and contemporary style. **Prerequisites** DA 303 or instructor permission. **Credits** 2

**DA 493 - Special Topics in Dance**

Study in a special area of interest in dance. **Credits** 1-3

**Earth Sciences**

**ESI 140 - Oceanography**

Interdisciplinary study of the ocean through an examination of its physical, biological, and chemical processes.
May include a significant field trip component. (C5). **Credits 3**

**ESI 471 - Field Studies of Selected Regions**

Interdisciplinary group project on a designated region; a two-week field-trip following spring final exams. Cost to be determined. **Prerequisites** Junior standing, GEOL 150 or GEOG 150, and permission of instructor. **Credits 3, R6**

**Economics**

**ECON 231 - Introductory Microeconomics and Social Issues**

Study of economic and social systems, emphasizing choices made by individuals in society such as consumers, producers, employees, voters, policy makers, and students. (P1). **Credits 3**

**ECON 232 - Introductory Macroeconomics and Social Issues**

Macroeconomic principles; alternative theories of economic instability; national income, fiscal policy, monetary policy, and international trade. (P1). **Credits 3**

**ECON 300 - Macroeconomics and Business Forecasting**

Macroeconomic principles, national income accounting, monetary and fiscal policy, econometric forecasting methods applied to entrepreneurial planning and evaluation of economic and development policy. **Prerequisites** ECON 231 and QA 235. **Corequisites** QA 305. **Credits 3**

**ECON 302 - Managerial Economics**

The price mechanism and allocation of resources under competition, monopoly, and imperfect competition; applications to decision making. **Prerequisites** ECON 231. **Credits 3**

**ECON 303 - Monetary and International Economics**

Role of money in the economy, central banks and monetary policy, interest rate determination, stock market behavior, trade theory, exchange rates, and international currency markets. **Prerequisites** ECON 232. **Credits 3**

**ECON 304 - Econometrics**

Evaluation of business indicators; techniques for analyzing current business conditions and forecasting changes in levels of national economic activity. **Prerequisites** ECON 231 and QA 235 or MATH 170. **Credits 3**

**ECON 305 - Public Economics**

Economic analysis of government including taxation, expenditures, and decision-making. **Prerequisites** ECON 231. **Credits 3**

**ECON 307 - Regional Economic Analysis**

Regional structure and growth; location theory, interregional income theory, factor mobility; public policy for regional development. **Prerequisites** ECON 231 or ECON 232. **Credits 3**
ECON 310 - Natural Resource Economics

Economic policy regarding renewable and nonrenewable resources; environmental and energy economics. Prerequisites ECON 231 or ECON 232. Credits 3

ECON 321 - Intermediate Microeconomics

Consumer behavior and the theory of the firm, introduction to consumer and producer surplus, and study of decision-making by voters and policy makers. Prerequisites ECON 231. Credits 3

ECON 322 - Intermediate Macroeconomics

Economic growth and economic business cycles; roles of fiscal and monetary policy. Prerequisites ECON 232. Credits 3

ECON 344 - Ethics of Capitalism

Compares ethical, political, and economic implications of alternative economic system, especially various forms of capitalism and socialism. Credits 3

ECON 354 - Health Economics

Economics used to analyze the health care system and participants, demand for care, health insurance markets, government health insurance programs, health care reform, competition, regulation. Credits 3

ECON 389 - Cooperative Education in Economics

See Cooperative Education Program. Credits 1 or 3, R15

ECON 403 - Development of Economic Ideas

Ideas of the great economists; great debates in economics. Prerequisites ECON 302. Credits 3

ECON 404 - Research Methods in Economics

Exploration of research methods in economics including developing research questions and economic methods of research. Prerequisites QA 235 or MTH 170, ECON 231, and ECON 232. Credits 3

ECON 406 - International Trade

Determinants and consequences of the flow of goods, savings, and investments from one country to another. Prerequisites ECON 232. Credits 3

ECON 420 - Sport Economics

Economic models, techniques, and applications related to sports. Prerequisites ECON 231. Credits 3

ECON 480 - Independent Research

Independent Research. Prerequisites Permission of department head. Credits 3

ECON 483 - Internship in Business Economics
Work experience in business economics. S/U grading. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head; minimum of 10 hours per week. **Credits** 3, R9

**ECON 484 - Internship in Business Economics**

Work experience in business economics. S/U grading. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head; minimum of 10 hours per week. **Credits** 3, R9

**ECON 485 - Internship in Business Economics**

Work experience in business economics. S/U grading. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head; minimum of 10 hours per week. **Credits** 3, R9

**ECON 493 - Topics in Economics**

Topics in Economics. **Prerequisites** Permission of department head. **Credits** 1-3, R6

**Electrical and Computer Engineering Technology**

**ECET 211 - Electronic Drafting and Fabrication**

Electronic drafting and graphics; design, assembly and fabrication of electronic circuits and equipment. 2 Lecture, 2 Lab. **Credits** 3

**ECET 221 - Digital Integrated Circuits Laboratory**

Introduction to digital laboratory equipment and techniques; logic design and implementation process; discrete and complex digital components. **Corequisites** EE 221. **Credits** 1

**ECET 231 - Circuit Analysis I**

Fundamental electrical theory involving DC circuits. Topics include series, parallel, and series-parallel networks; methods of circuit analysis and network theorems; electrical instrumentation and computer analysis tools used in performing laboratory experiments. **Corequisites** MATH 146. **Credits** 4

**ECET 242 - Electronic Circuits**

Study of analog electronic circuits including amplifiers, regulators, and special applications. Both discrete semiconductor devices and integrated circuits are covered. (2 Lecture, 2 Lab, 2 Recitation). **Prerequisites** ECET 231 with a grade of C or better. **Credits** 4
ECET 290 - Computer Engineering Fundamentals

An introductory course in the study of computer engineering technology. Operating systems, CPU, memory, networking, user interfacing, programming, and basic signal processing and associated hardware. 2 Lecture, 2 Lab. Credits 3

ECET 301 - Electrical Systems

Direct current and alternating current electricity. Topics include Ohm's Law, series, parallel and series-parallel circuits, transformers, and measurement techniques. Not open to ECET majors. 2 Lecture, 2 Lab. Prerequisites MATH 145 or 146. Credits 3

ECET 302 - Instrumentation and Controls

Control system components and applications, control diagram, solid-state components, industrial motors and controls, programmable controllers. Not open to ECET majors. 2 Lecture, 2 Lab. Prerequisites ECET 301 or permission of instructor. Credits 3

ECET 312 - Electronic Communication Fundamentals

Fundamental principles of communications theory including spectrum analysis, noise, and modulation techniques. 3 Lecture, 2 Lab/week. Prerequisites ECET 242; MATH 153 with a grade of C or better; ECET 321 with a grade of C or better. Credits 4

ECET 321 - Circuit Analysis II

Fundamentals of DC/AC circuits. Topics include AC series, parallel, series-parallel circuits; analysis techniques; network theorems; resonance, and transformers. 2 Lecture, 2 Lab, 2 Recitation. Prerequisites ECET 231 with a grade of C or better. Credits 4

ECET 331 - Digital Integrated Circuits

Study of combinational and sequential digital circuits using integrated circuit techniques. 2 Lecture, 2 Lab, 2 Recitation. Credits 4

ECET 332 - Microcontrollers

Study of contemporary eight-bit microcontrollers. Microcontroller architecture, programming, and interfacing. 3 Lecture, 2 Lab. Prerequisites EE 221; CS 140 or EE 200; ECET 321 with a grade of C or better; MATH 153 with a grade of C or better. Credits 4

ECET 341 - Advanced Circuit Analysis

Study of linear systems; introduction to digital signal processing. Prerequisites ECET 321 with a grade of C or better; MATH 153 with a grade of C or better; MATH 255 (May be taken concurrently). Credits 3

ECET 345 - Introduction to Local Area Networks

Study of local area network architectures, protocols, and operating systems with emphasis on the first three levels of the OSI model. 3 Lecture, 2 Lab/week. Prerequisites ECET 290 or permission of instructor. Credits 4
ECET 431 - Microcontroller Interfacing

Study of microcontroller fundamentals including basic hardware architecture, instruction sets, registers, peripheral interfacing, basics of assembly language, and high-level programming. 3 Lecture, 2 Lab. Prerequisites ECET 332. Credits 4

ECET 446 - Modern Power Systems Analysis

Power transmission and distribution network architecture and composition; load flow studies; symmetrical components; parameters and equivalent circuits. A term project will be required. Prerequisites ECET 242 and ECET 321. Credits 4

ECET 452 - Control Systems

Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes. 3 Lecture, 2 Lab. Prerequisites ECET 341. Credits 4

ECET 461 - Digital Signal Processing

An introduction to discrete and digital systems using transforms. The architecture and assembly language of DSP processors will be used in various applications. 2 Lecture, 2 Lab. Prerequisites ECET 341; MATH 255 with a grade of C or better. Credits 3

ECET 464 - Instrumentation

Data acquisition using virtual instruments. Sensors, transducers, and signal conditioning used in the measurement of physical parameters. 3 Lecture, 2 Lab. Prerequisites ECET 332. Credits 4

ECET 478 - Senior Design Project Proposal

Research methodology, literature review, and industrial writing styles, culminating in a written report proposal for a senior project. S/U grading. Prerequisites Senior standing and permission of instructor. Credits 1

ECET 479 - Senior Design Project

Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. 1 Lecture, 4 Lab. Prerequisites ECET 478 or ET 461 (Either may be taken concurrently). Credits 3

ECET 493 - Special Topics

Special Topics. Prerequisites Permission of instructor. Credits 1-3, R6

ECET 495 - Seminar on Telecommunications

Study of current issues in the telecommunications industry, to include legislative acts, business trends, and emerging technology. Prerequisites Senior standing. Credits 3

Electrical Engineering

EE 200 - Computer Utilization
An introduction to the use of computers and computing methods to solve engineering problems. **Credits 3**

**EE 201 - Network Theory I**

Direct current circuit analysis, Ohm's law, Kirchoff's laws, nodal and mesh analysis, Thevenin's theorem, source transformation, maximum power transfer, R-L, R-C and RLC transient circuit analysis. **Prerequisites** MATH 252 or 255 and PHYS 230, all with a grade of C or better; or permission of department. **Corequisites** MATH 320 and PHYS 231 are prerequisites but may be taken concurrently. **Credits 3**

**EE 202 - Network Theory II**

Alternating current circuit analysis, phasors, Kirchoff's laws, single-phase and 3-phase circuits, resonant circuits, filter networks, Laplace transforms, Fourier series, Fourier transforms and Fourier analysis techniques. **Prerequisites** EE 201; MATH 320; PHYS 231, all with grades of C or better. **Corequisites** MATH 253 or 256 are prerequisites but may be taken concurrently; or permission of department. **Credits 3**

**EE 211 - Instrumentation & Networks Laboratory**

Network measurements and applications; introduction to laboratory equipment and techniques. Required minimum grade for major is C. **Prerequisites** EE 201 is a prerequisite but may be taken concurrently or permission of department. **Credits 1**

**EE 212 - Logic and Networks Laboratory**

Network measurements and applications, experimental logic design. Required minimum grade for major is C. **Prerequisites** 211 & 221 (both with a grade of C or better) or permission of department. **Corequisites** 202 is a prerequisite but may be taken concurrently. **Credits 1**

**EE 221 - Logic Systems Design I**

Introduction to Boolean algebra; mixed logic; design of combinational circuits; introduction to sequential systems; MSI building blocks; includes laboratory design projects. **Prerequisites** EE 200 with a grade of C or better. **Corequisites** EE 211 or ECET 221. **Credits 3**

**EE 222 - Electrical Engineering Design I**

Introduction to conceptual design; circuit design; parameter sensitivity analysis; cost performance tradeoff analysis and interconnection compatibility design; written technical report and oral presentation. **Prerequisites** EE 201, 211, 221 (all with a grade of C or better). **Corequisites** EE 202, 212 are prerequisites but may be taken concurrently. **Credits 2**

**EE 311 - Systems and Electronics Laboratory**

Systems and signals measurements and applications; electronics circuits. Required minimum grade for major is C. **Prerequisites** EE 202, 212. Both with a grade of C or better. **Corequisites** EE 331, 351 are prerequisites but may be taken.
concurrently, or permission of department. Credits 1

EE 312 - Electronic Devices Laboratory

Measurements and applications of solid state devices. Required minimum grade for major is C. Prerequisites EE 311 with a grade of C or better. Corequisites EE 332 is a prerequisite but may be taken concurrently or with permission of department. Credits 1

EE 321 - Electromagnetic Fields

Electric and magnetic fields using vector formulation. Vector Analysis; Stokes' Theorem; Electrostatics; Coulomb's law; Laplace and Poisson's equations; Magneto statics: vector potentials, Lorentz force; Faraday's law. Required minimum grade for major is C. Prerequisites EE 202 with a grade of C or better. Credits 3

EE 322 - Electromagnetic Waves

A study of Maxwell's equations, transmission line theory, plane waves, guided electromagnetic waves in coaxial cables and wave guides. Prerequisites EE 321 with a grade of C or better. Credits 3

EE 331 - Fundamentals of Electronics and Semiconductors

Theory and applications of semiconductor devices. Ideal operational amplifier applications including difference amplifiers and instrumentation amplifiers; non-idealities of operational amplifiers and their compensation; diode/p-n junction principles and applications; bipolar transistors (BJTs) and MOSFETs principles and circuits including DC biasing, small-signal analysis, and basic amplifier configurations. Required minimum grade for major is C. Prerequisites EE 202 with a grade of C or better. Credits 3

EE 332 - Electronics

Low and high-frequency analysis of transistor amplifiers. Multistage and feedback amplifier design. Stability and oscillation. Operational amplifier design and applications. Prerequisites EE 331 with a grade of C or better. Credits 3

EE 341 - Electrical Engineering Design II

Application of conceptual design; circuit design; parameter sensitivity analysis; cost performance tradeoff analysis and interconnection compatibility design. Written technical report and oral presentation. Prerequisites EE 202 & 221 (both with a grade of C or better): 222. Corequisites EE 331 & 351 are prerequisites but may be taken concurrently or by permission of department. Credits 2

EE 342 - Solid State Electronic Devices

Semiconductor device theory, including simple crystal structures, energy bands, charge carriers in semiconductors, distribution functions for electrons and photons, optical and electrical properties of devices. Prerequisites EE 321 with a grade of C or better. Corequisites PHY 310 is a
prerequisite but may be taken concurrently. Credits 3

EE 351 - Systems Analysis I

Complex variables; continuous-time systems; LTI systems; Fourier transforms; Laplace transforms; representation of systems using differential equations. Required minimum grade for major is C. Prerequisites EE 202 with a grade of C or better. Credits 3

EE 401 - Senior Design I

A project-oriented course stressing the planning and design of experiments to support the student's project. Formation of the design problem and specifications. Required minimum grade for major is C. Prerequisites EE 211, 212, 311, 312, 331, 351 (all with grades of C or better) and senior standing in EE. Credits 2

EE 402 - Senior Design II

A continuation of EE 401 consisting of project development and analysis, culminating in a written and oral presentation. Prerequisites EE 401 with a grade of C or better. Credits 2

EE 411 - Analog Communication Systems

This course presents the fundamentals of analog communications including the analysis of signals and systems, amplitude modulation and demodulation, frequency modulation and demodulation. Course topics are reinforced with computer simulation of analog communication systems. Prerequisites EE 351 with a grade of C or better. Credits 3

EE 412 - Electrical Engineering Professional Practice

Engineering ethics; safety and liability in the manufacturing workplace; product design, development, planning; cost estimating for non-recurring engineering work; Total Quality Management; effective technical presentation. Prerequisites Senior standing in EE. Credits 2

EE 413 - Digital Communication Systems

This course presents the fundamentals of digital communications including a review of linear system theory and spectral analysis of signals, discrete-time sampling, baseband modulation and demodulation, bandpass modulation and demodulation and synchronization. Course topics are reinforced with computer simulation, laboratory prototyping and testing of digital communication systems. The course will culminate in a design project with multiple constraints, appropriate engineering standards and an associated technical report. 2 Lecture, 2 Lab. Prerequisites EE 411. Credits 3

EE 421 - Digital Systems Design

Study of design principles and considerations for complex digital systems; logic synthesis, verification methodologies, timing analysis and prototyping. Focus on HDL-based implementation of sizeable design problems using current design automation tools and programmable
devices. The course will culminate in a design project with multiple constraints, appropriate engineering standards and an associated technical report. 2 Lecture, 2 Lab. Prerequisites EE 211, EE 221. Credits 3

EE 424 - Digital Signal Processing

Sampling and signal recovery in linear systems; analysis of sampled systems; discrete and fast Fourier transforms; z-transform; discrete convolution; design of digital FIR and HR filters. Prerequisites EE 351, with a C or better. Credits 3

EE 425 - Foundations of Optical Engineering

Modern optics, optical communications, optical materials, optical devices, optical fiber and integrated optics, optical signals, optical networks, basic Fourier optics, and methods in signal processing. Required minimum grade for major is C. Prerequisites 322 with a grade of C or better; PHYS 322. Credits 3

EE 427 - Foundations of Optical Imaging

Design principles and analysis methods of optical imaging systems including advanced geometrical optics approach, diffraction integral approach, and plane wave spectrum approach. Prerequisites EE 322 with a grade of C or better. Credits 3

EE 436 - Optical Fiber Communications

Optical waveguides, attenuation and dispersion, single and multi mode fiber properties and measurements, sources and detectors, transmitter and receiver design, modulation and multiplexing, system design. Prerequisites EE 425 and PHYS 322, with a C or better. Credits 3

EE 451 - Electric Power Systems

This course involves the analysis and computer simulation of electric power systems. Topics include Electric energy and the environment; AC power transmission network parameters and models; power flow studies; power transformers; distribution system and loads; and synchronous generators. Prerequisites EE 202 or ENGR 315. Credits 3

EE 452 - Electric Machines and Drives

Basic principles of electromechanical energy conversion and power electronics in drives; operational principles of DC and AC machines; torque, speed and position controller concepts for motor drives are introduced. 2 Lecture, 2 Lab. Prerequisites ENGR 402. Credits 3

EE 453 - Smart Grid Design and Analysis

Modeling concepts and operational principles in smart power grid, solar and wind energy generation systems, load flow and fault studies in smart power grid systems are introduced. Prerequisites EE 451 and EE 471. Credits 3

EE 465 - Foundations of Laser Electronics
Laser oscillation, excitation, amplification, dispersion, absorption, basic principles of quantum electronics, general characteristics of laser, semiconductor lasers, switching and modulation, CW lasers, pulse lasers, applications. **Prerequisites** EE 322 with a grade of C or better; PHYS 310. **Credits** 3

**EE 471 - Power Electronics: Design and Analysis**

Analysis, design, and operation of power electronic circuits for motor drives and electric utility applications. Power conversion from AC→DC, DC→DC, DC→AC. 2 Lecture, 2 Lab. **Prerequisites** EE 331, ENGR 402. **Credits** 3

**EE 472 - Advanced Power Electronics and Drives: Design and Analysis**

The synthesis of power electronics based converters for electric drives, utility related applications and AC synchronous and asynchronous machine control methodologies are introduced. **Prerequisites** EE 471. **Credits** 2

**Elementary and Middle Grades Education**

**EDMG 300 - Culturally and Linguistically Diverse Middle Grades Students**

This course covers theories of culture and language acquisition, classrooms with culturally and linguistically diverse students, and a range of practices for middle school success. **Credits** 3

**EDMG 409 - Internship Seminar for Middle School Teaching**

This internship seminar provides participants with knowledge and skills to apply to practice the major concepts, principles, theories, and research related to young adolescent development. **Prerequisites** EDMG 300. **Corequisites** EDMG 410. **Credits** 2

**EDMG 412 - Internship Seminar for Differentiated Instruction**

Participants explore the diversity of learning in middle grades classrooms, reflect on their own growth as teachers, and generate strategies for effectively differentiating instruction. **Prerequisites** EDMG 410; EDMG 409. **Corequisites** EDMG 411. **Credits** 2

**EDMG 466 - Digital Literacy Methods Grades 6-9**

The study and use of the forms of digital literacy in school and professional settings; emphasis on instructional applications, issues, and trends. Only offered spring semester. **Prerequisites** Admission to the professional education sequence. **Credits** 3

**EDMG 201 - Seminar for Teacher Leadership**

The purpose of this course is to encourage preservice teachers to explore issues in becoming teachers and reflect on themselves as leaders. **Corequisites** EDCI 201. **Credits** 1
**ELMG 480 - Independent Study in Elementary/Middle Grades Education**

Independent Study in Elementary/Middle Grades Education

**Prerequisites** Admission to professional education sequence.**Credits** 1-3, R6

**ELMG 484 - Supervised Internship I**

A part-time internship under university supervision with seminar.**Prerequisites** EDEL 390 or EDMG 411.**Credits** 3

**ELMG 485 - Supervised Internship II**

A full-time internship under university supervision.**Prerequisites** ELMG 484.**Corequisites** ELMG 495. Full-time field experience.**Credits** 9

**ELMG 493 - Topics in Elementary/Middle Grades Education**

Topics in Elementary/Middle Grades Education

**Prerequisites** Admission to professional education sequence.**Credits** 1-3, R6

**ELMG 495 - Seminar for Student Teachers**

Theory related to practice during student teaching.**Corequisites** ELMG 485.**Credits** 3

**Elementary Education**

**EDEL 130 - Introduction to Teaching**

Teaching as a profession; the role and function of the teacher in the school and community. Recommended for any student considering teaching as a career.**Credits** 3

**EDEL 311 - Elementary Curriculum**

Methods, materials, and curriculum for children in elementary grades.**Prerequisites** Declared Elementary Education major.**Corequisites** EDRD 303, EDEL 417.**Credits** 3

**EDEL 312 - Elementary School/Methods and Curriculum**

Methods, materials, and curriculum for children in grades 3 through 6.**Prerequisites** EDCI 231 with a grade of C or better.**Credits** 2

**EDEL 318 - Elementary/Middle Grades Mathematics**

The development of mathematical concepts; programs, methods, and materials for grades K-9.**Prerequisites** MATH 231 and admission to the professional education sequence.**Credits** 3

**EDEL 323 - Seminar for Responsive Instruction**

The planning and implementation of developmentally and pedagogically appropriate assessments for elementary and middle grades learning environments.**Prerequisites** Admission to the Professional Education Sequence. EDCI 201.**Corequisites** PSY 323.**Credits** 1

**EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades**
The interrelationship between theory and practice; creating and managing responsive learning communities for all learners. **Prerequisites** EDEL 390. **Corequisites** EDEL 446, EDEL 429, EDRD 440, ELMG 484. **Credits** 2

**EDEL 390 - Practicum I**

Supervised participation in a public-school classroom (six hours per week), guided by a seminar focusing on appropriate instructional approaches, assessments, and dispositions for elementary and inclusive education teacher candidates. **Prerequisites** EDEL 311 or SPED 312. **Corequisites** EDEL 415, EDEL 416, EDEL 428, EDRD 420. **Credits** 3

**EDEL 415 - Language Arts Methods for Grades K-6**

Teaching methods, materials, and curriculum development in the language arts, grades K-6, with emphasis on fostering written and digital communication. **Prerequisites** EDEL 311 or SPED 312. **Corequisites** EDEL 390. **Credits** 3

**EDEL 416 - Science Methods for Grade K-6**

Teaching methods and curricular development in science, grades K-6; materials and teaching strategies. **Prerequisites** EDEL 311 or SPED 312. **Corequisites** EDEL 390. **Credits** 3

**EDEL 417 - Social Studies Methods for Grades K-6**

Methods, materials, and strategies for teaching social studies in grades K-6. **Prerequisites** Declared Elementary Education or Inclusive Education Major. **Credits** 3

**EDEL 418 - Mathematics Methods Grades K-3**

The development of mathematical concepts: program, methods, and materials for grades K-3. **Prerequisites** EDCI 201 with a grade of C or better. **Corequisites** MATH 321 or MATH 322. **Credits** 3

**EDEL 419 - Mathematics Methods Grades 3-6**

The development of mathematical concepts: program, methods, and materials for grades 3-6. **Prerequisites** Admission to the professional education sequence and EDEL 418. **Corequisites** EDEL 390. **Credits** 3

**EDEL 428 - Mathematics Methods 1 for Grades K-6**

The development of mathematical concepts: program, methods, and materials for number sense and algebraic reasoning for grades K-6. **Prerequisites** EDEL 311 or SPED 312. **Corequisites** EDEL 390. **Credits** 3

**EDEL 429 - Mathematics Methods 2 for Grades K-6**

The development of mathematical concepts: program, methods, and materials for geometry, measurement, and data for grades K-6. **Prerequisites** EDEL 390. **Credits** 3

**EDEL 432 - Integrated Curriculum**
Research, theory, and instructional practice related to integrating communications processes with all subject areas in grades 3-6. Includes field-based component. **Prerequisites** Admission to Teacher Ed. Program in Elementary Education. **Corequisites** This course must be taken concurrently with EDEL 390 or EDEL 484. **Credits** 3

**EDEL 446 - Digital Literacy Methods for Grades K-6**

The study and use of the forms of digital literacy in school and professional settings; emphasis on instructional applications, issues, and trends. **Prerequisites** EDEL 390. **Credits** 3

**EDEL 465 - Teaching the Child in Crisis**

Exploration of crisis situations to improve teacher competency; methods for dealing with the child in crisis at various developmental levels. **Credits** 3

**EDEL 470 - Early Childhood Curriculum**

Materials, environments, and interactions for two to five year-olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. This course is cross-listed with BK and SPED 470. 2 Lecture, 3 Lab. **Credits** 3

**EDEL 476 - Guiding Children's Behavior and Managing Classrooms**

Methods for managing classrooms and helping students from kindergarten to grade 9 develop self-

**EDEL 490 - Supervised Student Teaching**

A full-time internship under university supervision. **Corequisites** EDEL 476. **Credits** 9

**EDEL 496 - Internship Seminar**

The interrelationships of theory and practice in the context of experience. This course is cross-listed with BK and SPED 496. **Corequisites** BK 483. **Credits** 1, R4

**Emergency and Disaster Management**

**EDM 250 - Introduction to Emergency and Disaster Management**

Overview of emergency and disaster management. Topics include major concepts, theory and history,
terminology, and the roles, functions and inter-relationships of key agencies and organizations involved in this field. **Credits 3**

**EDM 322 - Social Dimensions of a Disaster**

An exploration of the social implications of a disaster, including its effects on victims, their families, first responders, the community, businesses, the economy, and special populations. **Prerequisites** EDM 250 or permission of instructor. **Corequisites** EDM 250. **Credits 3**

**EDM 324 - Emergency Planning**

Introduction to the multiple facets of emergency planning. **Prerequisites** EDM 250 or permission of instructor. **Corequisites** EDM 250. **Credits 3**

**EDM 326 - Risk Assessment and Vulnerability Analysis**

Introduction to concepts and principles of risk assessment and vulnerability analysis. **Prerequisites** EDM 250 or permission of instructor. **Corequisites** EDM 250. **Credits 3**

**EDM 332 - Disaster Response Operations and Management**

An overview of the response phase of the disaster management cycle, during which resources are marshaled, deployed and managed. **Prerequisites** EDM 250 or permission of instructor. **Corequisites** EDM 250. **Credits 3**
recovery. **Prerequisites** EDM 250 or permission of the instructor. **Credits** 3

**EDM 406 - Incident Command Systems**

The course will build on students' basic knowledge of incident command systems by exploring the application of and issues with the use of the incident management system in an emergency or disaster situation. **Prerequisites** EDM 250, EDM 324, and EDM 332; or permission of the instructor. **Credits** 3

**EDM 435 - Homeland Security**

Overview of relevant issues relating to the problems and practices of providing "homeland security". Seminar. **Credits** 3

**EDM 440 - Methods of Disaster Research**

This course introduces students to the fundamentals of social sciences and disaster research including research terminology, design, analysis, and presentation of data. **Prerequisites** EDM 250, EDM 322, EDM 324, EDM 326, EDM 332, and EDM 335. **Credits** 3

**EDM 441 - Methods of Disaster Research Project**

Application of research fundamentals in a capstone project with an emergency management organization or community group. **Corequisites** EDM 440. **Credits** 1

**EDM 448 - Emergency Exercise Design and Evaluation**

Design, development, and assessment of simulated exercises to evaluate and improve emergency readiness and response capabilities. **Prerequisites** EDM 250 or permission of instructor. **Credits** 3

**EDM 452 - Legal Issues in Emergency and Disaster Management**

Overview of relevant federal and state statutes relating to emergency and disaster management and applicable legal concepts. **Prerequisites** EDM 250 or permission of instructor. **Credits** 3

**EDM 457 - Terrorism**

Examination of the origins, evolution, dimensions, and impacts of both domestic and international terrorism. **Credits** 3

**EDM 460 - Case Studies in Emergency and Disaster Management**

In-depth examination of specific public crises and disasters. **Prerequisites** EDM 250 or permission of instructor. **Credits** 3

**EDM 480 - Independent Study in Emergency and Disaster Management**

Independent Study in Emergency and Disaster Management. **Prerequisites** EDM 250 or permission of instructor. **Credits** 1-3, R6

**EDM 483 - Internship in Emergency and Disaster Management**

Supervised application of academic study in a practical public safety and/or
security management

Prerequisites EDM 250 or permission of instructor. Credits 3-12, R12

EDM 493 - Topics in Emergency and Disaster Management

Topics in Emergency and Disaster Management Prerequisites EDM 250 or permission of instructor. Credits 1-3, R12

Emergency Medical Care

EMC 210 - Introduction to Wilderness Medicine

Survey and introduction to the principles and practices of medical care in austere or wilderness environment. Credits 3

EMC 240 - Introduction to Emergency Medical Care

This lecture course, in conjunction with EMC 241, covers the required curriculum for providers at the level of EMT-Basic. Corequisites EMC 241. Credits 4

EMC 241 - Basic Emergency Medical Techniques

This laboratory course, in conjunction with EMC 240, covers the required curriculum for providers at the level of EMT-Basic. Corequisites EMC 240. Credits 2

EMC 310 - Wilderness Medicine I

Advanced life support for wilderness medicine. Prerequisites EMC 210. Credits 3

EMC 320 - Introduction to Pharmacology

This lecture course, provides an introduction to basic pharmacological principles including pharmacokinetics and pharmacodynamics, mechanisms of action, disease pathophysiology, and common medications that affect various body systems. Prerequisites Junior or Senior level EMC major admitted to the program and in good standing. Credits 3

EMC 321 - Pharmacology Techniques

This laboratory course provides an overview of medication dose calculation and administration techniques for the emergency provider. Prerequisites Junior or Senior level EMC major admitted to the program and in good standing. Credits 1

EMC 340 - Introduction to Clinical Medicine

This lecture course is an introduction to clinical medicine, disease pathophysiology, clinical manifestations, and assessment procedures/techniques. Prerequisites Junior or Senior EMC major admitted to the program and in good standing. Credits 2

EMC 341 - Introduction to Clinical Medicine Lab

This laboratory course provides an introduction to advanced patient
assessments, including history taking and physical examination techniques. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing. **Credits:** 1

**EMC 350 - Cardiology**

This lecture course discusses cardiovascular anatomy, physiology, electrophysiology, assessment, and the initial management of cardiac emergencies. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 320, and EMC 321, and EMC 340, and EMC 341, and EMC 351, and EMC 381. **Credits:** 2

**EMC 351 - Basic ECG Interpretation**

This laboratory course covers ECG interpretation in the monitoring leads. **Prerequisites:** Junior or Senior level EMC major admitted to the program and in good standing. **Credits:** 1

**EMC 352 - Cardiology Lab**

This laboratory course covers the advanced life support of cardiac emergencies, including resuscitation and post-resuscitation care. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 320, and EMC 321, and EMC 340, and EMC 341, and EMC 351, and EMC 381. **Credits:** 1

**EMC 360 - Acute Fluid and Respiratory Disorders**

This lecture course covers respiratory emergencies, fluid and electrolyte imbalance, and an overview of shock. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 321, and EMC 351, and EMC 381. **Credits:** 3

**EMC 361 - Advanced Emergency Medical Techniques**

This laboratory course covers techniques and procedures in patient care. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 320, EMC 321, EMC 340, EMC 341, EMC 351, EMC 381. **Credits:** 1

**EMC 370 - Medical Emergencies**

This lecture course discusses the assessment and management of medical emergencies. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 321, EMC 351, and EMC 381. **Credits:** 3

**EMC 381 - Clinical Practicum I**

This clinical/laboratory course is intended to develop prehospital provider skills in the hospital and field setting. **Prerequisites:** Junior or senior-level EMC major admitted to the program and in good standing. **Credits:** 1

**EMC 382 - Clinical Practicum II**

This clinical/laboratory course is intended to develop prehospital provider skills in the hospital and field.
EMC 389 - Cooperative Education in EMC

See Cooperative Education Program. Credits 1 or 3, R12

EMC 410 - Trauma Management

This lecture course covers the assessment and management of traumatic emergencies, including patient access, stabilization, and transport; radio communications and use of ALS protocols. Prerequisites Junior or senior-level EMC major admitted to the program and in good standing and EMC 350, EMC 352, EMC 361, and EMC 382. Credits 2

EMC 411 - Trauma Management Lab

This laboratory course covers the assessment and management of traumatic emergencies. Prerequisites Junior or senior-level EMC major accepted to the program and in good standing, and EMC 350, EMC 352, and EMC 361, and EMC 382. Credits 1

EMC 420 - Maternal and Child Emergency Care

This lecture course will cover the assessment and prehospital management of trauma and medical emergencies in obstetric, neonatal, and pediatric patients. Prerequisites Junior or senior-level EMC major admitted to the program and in good standing, and EMC 350, and EMC 352, and EMC 361, and EMC 382. Credits 3

EMC 421 - Maternal and Child Emergency Care Lab

This laboratory course covers the assessment and pre-hospital management in obstetric, neonatal, and pediatric patients. Prerequisites Junior or senior-level EMC major accepted to the program and in good standing, and EMC 350, EMC 352, EMC 361, and EMC 382. Credits 1

EMC 430 - Special Needs Patients

This lecture course discusses special needs patients, their assessment and management in the prehospital setting. Prerequisites Junior or senior-level EMC major admitted to the program and in good standing, and EMC 381. Credits 1

EMC 440 - Wilderness Medicine II

Trauma care and preventive medicine in the wilderness environment. Prerequisites EMC 310. Credits 3

EMC 445 - EMC Systems Management

Planning and managing an emergency medical services system. Emphasis on demand analysis, staffing, medical direction, reimbursement, capital investment, and cost control. Prerequisites Junior or senior-level EMC major admitted to the program and in good standing or EDM major. Credits 3

EMC 450 - Wilderness Medicine III
Advanced wilderness survival skills with special emphasis on medical event planning for outdoor pursuits. **Corequisites** EMC 486. **Credits** 3

**EMC 451 - Advanced ECG Interpretation**

This laboratory course covers advanced electrocardiography including 12-lead ECG interpretation. **Prerequisites** Junior or senior-level EMC major admitted to the program and in good standing and EMC 350, EMC 351, EMC 352, EMC 361, and EMC 382. **Credits** 1

**EMC 452 - Critical Cardiac and Resuscitation Management**

This laboratory course covers the pathophysiology, advanced assessment, and treatment techniques of critical cardiac emergencies. **Prerequisites** Junior and senior-level EMC major admitted to the program and in good standing, EMC 350, EMC 351, EMC 352, EMC 361, and EMC 382. **Credits** 1

**EMC 461 - Simulation Laboratory**

This laboratory course develops the application of emergency assessment and medical management skills using a human patient simulator. **Prerequisites** Junior or senior-level EMC major admitted to the Program and in good standing, and EMC 483. **Credits** 1

**EMC 482 - Independent Study in Emergency Medical Care**

Independent Study in Emergency Medical Care. **Prerequisites** Junior or senior-level EMC major admitted to the program and in good standing. **Credits** 1-3, R3

**EMC 483 - Clinical Practicum III**

A clinical experience intended to develop advanced life support assessment and treatment skills in the hospital and field setting. **Prerequisites** PREQ: Junior or senior-level EMC major admitted to the program and in good standing. EMC 350, EMC 352, EMC 360, EMC 361, EMC 370, and EMC 382. **Credits** 3

**EMC 484 - Clinical Practicum IV**

A clinical experience intended to develop advanced life support assessment and treatment skills in the hospital setting. **Prerequisites** Junior or senior level EMC major admitted to the program and in good standing. EMC 410, EMC 411, EMC 420, EMC 421, EMC 451, EMC 452, and EMC 483. **Credits** 1-3

**EMC 485 - MICU Practicum**

A capstone clinical experience intended to develop leadership ability and refine advanced life support assessment and treatment skills in the field setting. **Prerequisites** Junior or senior-level EMC major admitted to the program and in good standing. EMC 410, EMC 411, EMC 420, EMC 421, EMC 451, EMC 452, and EMC 483. **Credits** 4

**EMC 486 - Wilderness Medicine Clinical Practicum**

Clinical experience with skills utilized in back country medicine, rescue
techniques, land navigation, and evacuation. **Prerequisites** EMC 450. **Credits** 3

**EMC 487 - Advanced MICU Practicum**

Supervised field experience on mobile intensive care units to review, update, and maintain skills. **Prerequisites** EMC 485 or current paramedic certification; permission of program director. **Credits** 2, R8

**EMC 488 - EMC Management Internship**

Supervised management experience with an approved emergency medical service provider or regulator. **Prerequisites** EMC major and permission of program director. **Credits** 2, R4

**EMC 493 - Topics in Emergency Medical Care**

Topics in Emergency Medical Care. **Prerequisites** Junior or senior-level EMC major admitted to the program and in good standing. **Credits** 1-3, R3

**EMC 496 - Senior Seminar in Emergency Medical Care**

This seminar course provides an overview of current prehospital practice and certifying exam preparation. **Prerequisites** Junior or senior-level EMC major admitted to the program and in good standing, and EMC 483. **Credits** 2

**Engineering**

**ENGR 132 - Engineering Graphics**

Engineering design graphics, spatial visualization, orthographic projection, dimensioning, tolerances, and basic 3D constraint-based modeling. Contact Hours: 2 Lecture, 2 Lab. **Credits** 3

**ENGR 190 - Technology Systems**

An introductory engineering course for non-majors. Starting with natural curiosity, the interrelationships between engineering, physics, and mathematics are investigated in everyday objects. **Credits** 3

**ENGR 199 - Introduction to Engineering Practices and Principles I**

An introduction to the engineering discipline. Group work, oral communication, problem solving and the design process will be introduced through lecture and project-based learning activities. Freshman Engineering majors only. Contact Hours: 2 Lecture, 2 Lab. **Credits** 3

**ENGR 200 - Engineering Practices and Principles II**

Engineering practices and principles, teaming, project planning, written communications, and conceptual design processes will be introduced through lecture and project-based learning activities. Contact Hours: 2 Lecture, 2 Lab. **Prerequisites** ENGR 199 with a grade of C or better. **Credits** 3

**ENGR 201 - Engineering Mechanics: Statics**
Resolution of forces, moments, and couples to achieve equilibrium in static structures; centroids and moments of inertia; Cartesian vector analysis; particle equilibrium; internal forces; friction. **Prerequisites** MATH 153 and PHYS 230. **Credits** 3

**ENGR 202 - Mechanics of Materials**

Develop a fundamental understanding of stress and strain applied to deformable bodies including axial and shear loading, torsion, bending beams, combined loading, and column buckling. Required minimum grade for major is C. **Prerequisites** MATH 255 and ENGR 201. **Credits** 3

**ENGR 211 - Materials Science**

Knowledge of various common engineering materials will be developed through an understanding of microscopic structures, physical properties, equilibrium diagrams, and kinetic processes. Required minimum grade for major is C. **Prerequisites** PHYS 230 and CHEM 139. **Credits** 3

**ENGR 231 - 3-D Solid Modeling**

Exposure to 3D constraint-based solid computer modeling, design intent, feature relations, and role in product development cycles. Contact Hours: 2 Lecture, 2 Lab. **Prerequisites** ENGR 132. **Credits** 3

**ENGR 300 - Professional Development**

Viewing engineering as a career through participation in activities such as attendance of professional society meetings, participation in student organizations, attendance at visiting lectures, seminars, etc. S/U grading. **Prerequisites** Junior standing in EE. **Credits** 1

**ENGR 315 - Electrical Engineering Fundamentals**

Principles of electrical and electronic measurements; DC and AC circuit theory; components; amplifiers; motors; transformers. Not open to electrical engineering or electrical and computer engineering technology majors. Contact Hours: 2 Lecture, 2 Lab **Prerequisites** PHYS 231 and MATH 255. **Credits** 3

**ENGR 331 - Design for Manufacturing**

Various manufacturing processes and design principles are examined to understand the capabilities of each process. This knowledge is used to design products that are compatible with a manufacturing process while identifying implications for quality and cost. **Prerequisites** ENGR 211 and ENGR 231 and EE 200. **Credits** 3

**ENGR 332 - Finite Element Analysis**

An introduction to finite element modeling with topics including element selection, symmetry, plane stress and plane strain. This course also uses commercial software for analysis. **Prerequisites** ENGR 202 and MATH 320. **Credits** 3

**ENGR 333 - Vibration Analysis**

An introduction to analytical methods for modeling and evaluating the characteristics of dynamic systems. Topics such as vibration isolation,
damping characteristics and measurement methods are also covered. **Prerequisites** ME 301 and MATH 320. **Credits** 3

**ENGR 350 - Engineering Practices and Principles III**

Engineering project-based learning (open-ended) with emphasis on project control and engineering design processes. Special emphasis will be placed on professional, ethical, global, environmental, and contemporary issues. Contact Hours: 2 Lecture, 2 Lab. **Prerequisites** ENGR 200 with a grade of C or better. **Credits** 3

**ENGR 352 - Thermodynamics and Heat Transfer**

This course covers thermodynamics and heat transfer fundamentals including the enthalpy, entropy, and the first and second laws of thermodynamics, conduction, convection, and radiation. **Prerequisites** MATH 140 or MATH 153, CHEM 139, PHYS 130 or 230, & ET 141 or ENGR 211. **Credits** 3

**ENGR 353 - Thermodynamics**

This course introduces the concepts and principles of thermodynamics along with the laws of thermodynamics, mass/energy analysis, power cycles and refrigeration cycles. **Prerequisites** MATH 255 and MATH 320. **Credits** 3

**ENGR 365 - Global Engineering and Technology**

Fundamental skills and cultural responsiveness in engineering and technology on a multidisciplinary team in a global context. Focus is given to effective communication (across different cultures and either synchronous or asynchronous), clear understanding of engineering standards, knowledge of project development process, commitment to ethics, professionalism, interdisciplinary teamwork and equality, and appreciation for global interconnectedness of various practices. **Credits** 3

**ENGR 389 - Cooperative Education**

See Cooperative Education program. **Credits** 3, R9

**ENGR 400 - Engineering Capstone I**

Senior engineering project selection, planning, and development. Emphasis will be placed on defining project requirements, developing project work breakdown structure, conceptual designs, and working prototypes. 1 Lecture, 4 Lab. **Prerequisites** ENGR 350, with a "C" or better. **Credits** 3

**ENGR 402 - System Dynamics and Control**

Modeling and analysis of continuous systems in time and frequency domains; control system design; and applications of control theory to electromechanical system simulations using MATLAB. **Prerequisites** MATH 320 and (EE 202 OR ENGR 315) **Credits** 3

**ENGR 411 - Engineering Numerical Analysis**

Development of numerical algorithms to provide solutions to common problems formulated in engineering.
and the applicability and limits of the appropriate use. **Prerequisites** MATH 256 and (EE 200 or MATH 340 or CS 150). **Credits** 3

**ENGR 450 - Engineering Capstone II**

Senior engineering project design, development, fabrication, and testing. Emphasis will be placed on iterative design processes, project management and execution, fabrication and testing. 1 Lecture, 4 Lab. **Prerequisites** ENGR 400, with a "C" or better. **Credits** 3

**ENGR 493 - Special Topics in Engineering**

Special Topics in Engineering. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**ME 211 - Mechanical Engineering Lab I**

Laboratory exercises in support of ENGR 211. **Corequisites** ENGR 211. **Credits** 1

**ME 301 - Engineering Mechanics: Dynamics**

Principles of dynamics; particle motion; kinetics of rigid bodies; work and energy; impulse and momentum; vector methods. **Prerequisites** MATH 320 and ENGR 201. **Credits** 3

**ME 302 - Design of Machine Elements I**

Analysis and design of machine elements and machines; material selection, fatigue failure, finite elements; mechanical power transmission components including gears, bearings, shafts, and frictional devices. Application of engineering standards and consideration of realistic design constraints. **Prerequisites** ENGR 202. **Corequisites** ME 312. **Credits** 3

**ME 311 - Mechanical Engineering Lab II**

Laboratory exercises in support of ME 321. **Corequisites** ME 321. **Credits** 1

**ME 321 - Fluid Dynamics**

Fundamentals of fluid dynamics; fluid statics; incompressible flow with friction; compressible flow without friction; power requirements for pumps and turbines; energy losses. **Prerequisites** MATH 320. **Corequisites** ME 311. **Credits** 3

**ME 401 - Design of Machine Elements II**

Analysis of function, classification, position, velocity, and acceleration of multi-element mechanical linkages. Kinematic analysis and synthesis of linkages through the use of theory and software. Application of engineering standards and consideration of realistic design constraints. **Prerequisites** ME 301 and ME 302. **Credits** 3

**ME 402 - System Dynamics and Control**

Modeling and analysis of continuous systems in time and frequency domains; control system design; and applications of control theory to electromechanical system simulations.
Engineering Technology

ET 101 - Introduction to Computer Graphics and Animation

Fundamentals of computer graphics and animation; two, three and four-dimensional computer graphics; engineered product layout and marketing; image and object types. 2 Lecture, 2 Lab. Credits 3

ET 141 - Engineering Materials and Processes

Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes. 2 Lecture, 2 Lab. Credits 3

ET 151 - Computer Graphics for Documentation and Layout

An introduction to reverse engineering as applied to systems; geometric dimensioning and tolerances, codes, and symbols; two-dimensional projects related to engineered systems documentation and layout. 2 Lecture, 2 Lab. Credits 3

ET 232 - Engineering Statics

Study of forces and the effect of forces acting on static bodies. 3 Lecture. Credits 3

ET 310 - Advanced 3D Computer Modeling and Rapid Prototyping

Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms. Credits 3

ET 331 - Quality Systems

An introduction to techniques used to monitor and assess quality. Topics include Statistical Process Control, Process Capability Analysis, and Gage R&R. Credits 3

ET 332 - Strength of Materials

A study of the relations between externally applied loads and elastic stresses and strains for various types of materials. Credits 3

ET 333 - Strength of Materials Laboratory

A laboratory exploration of the relations between externally loads and elastic stresses and strains for various types of materials. Credits 1

ET 334 - Lean Six Sigma

Fundamentals of lean manufacturing and Six Sigma quality, including topics such as line balancing, value stream mapping, design of experiments, and regression analysis. Credits 3

ET 335 - Occupational Safety Standards
Standards and practices for industrial and educational safety related to local, state, and federal safety regulations. **Credits** 3

**ET 336 - Environmental Instrumentation**

Basic instrumentation techniques used to measure industrial safety and health hazards. 2 Lecture, 2 Lab. **Prerequisites** ET 335. **Credits** 3

**ET 337 - Management of Safety Systems**

Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents. **Prerequisites** ET 335. **Credits** 3

**ET 338 - Fire Control and Compliance Management**

Emergency planning, compliance with standards, recognition of fire hazards, implementation of controls, and extinguishing agents and methods. **Corequisites** ET 335. **Credits** 3

**ET 341 - CAM Systems**

Manufacture of 2D and 3D parts utilizing computer-aided manufacturing equipment and software. Conversion of CAD designs into numerical control programs for milling and turning. 2 Lecture, 2 Lab. **Prerequisites** ET 231, 242, and MATH 146. **Credits** 3

**ET 342 - Lean Manufacturing Systems Analysis and Planning**

Analysis of manufacturing system efficiency using lean concepts of value stream mapping, single piece flow, kaizen events, value added analysis, pull systems and production control. **Prerequisites** ET 141; MATH 170. **Credits** 3

**ET 349 - Rapid Tooling and Prototyping**

Prototyping methods and rapid tooling practices for product fabrication. Emphasis on computer methods, 3D prototyping, CNC machining and tooling systems. 2 Lecture, 2 Lab. **Prerequisites** PHYS 130, MATH 144 or 145 or 146, ET 231. **Credits** 3

**ET 351 - Engineering Analysis**

Emphasis on real-world application of engineering derivatives, integrations, rates of change, limits, functions, trigonometric functions, and problem-solving methodology. Utilization of Microsoft Excel and MATLAB. **Prerequisites** MATH 140 or 153, MATH 170, PHYS 130, and ET 232. **Credits** 3

**ET 362 - Engineering Logistics**

A study of various aspects of logistics and industrial distribution in the engineering domain. **Prerequisites** ET 132, 141, MATH 170. **Credits** 3

**ET 366 - Manufacturing Materials and Processes**

Study of the nature, composition, and structure of various materials used in manufacturing. Materials include ferrous and nonferrous metals,
polymer, ceramics, wood, and fibers. **Credits 3**

**ET 389 - Cooperative Education**

See Cooperative Education Program. **Credits 1-3, R9**

**ET 420 - Advanced Engineering Materials**

Properties of common metals, polymers, ceramics, and composites; material science; effective materials selection; processing of materials; and manipulation of materials in an applied engineering context. **Prerequisites ET 141, ET 332, and CHEM 139. Credits 3**

**ET 421 - Ergonomics**

Theories and applications of ergonomic principles for the workplace. Topics include ergonomic tools, standards, guidelines, training programs, case studies, work-site analysis common occupational injuries. **Prerequisites** Junior standing or permission of instructor. **Credits 3**

**ET 422 - Advanced Polymer Technology**

Theory and application of molding processes; emphasis on thermoplastic and thermoset injection; topics in polymer science and microprocessing. **Credits 3**

**ET 423 - Fluid Systems**

Basic fluid mechanics; hydraulic and pneumatic systems used in industrial manufacturing processes. 2 Lecture, 2 Lab. **Prerequisites MATH 144 or 145 or 146, PHYS 130. Credits 3**

**ET 425 - Metrology and Reverse Engineering**

Dimensional metrology, coordinate measuring machine, GD&T, engineering drawing interpretation, and fundamental technologies that enable the various forms of rapid prototyping. 2 Lecture, 2 Lab. **Prerequisites ET 141, 231, 232, 331 and 351. Credits 3**

**ET 434 - Plant Layout**

Problem analyses and design of plant facilities; plant layout, material flow, and handling; physical storage systems. **Prerequisites** Technology major and senior standing. **Credits 3**

**ET 435 - Technology and Civilization**

The interdependence of society and technology; modern industrial processes; use of energy and material resources; pollution; population explosion; food supplies. **Credits 3**

**ET 436 - Engineering Economic Analysis**

The study of economics as applied to engineering decision making. **Prerequisites** MATH 140 or 153; Engineering Technology student junior standing. **Credits 3**

**ET 441 - Power Transmission Systems**

The study of hydrostatic fluid power components and systems specifically focused on industrial and manufacturing applications. 2 Lecture, 2 Lab. **Prerequisites ET 232, 351. Credits 3**
ET 449 - Advanced Rapid Tooling and Prototyping

Advance prototyping methods and rapid tooling practices for product design and fabrication. Advanced machining, tooling, and metrology will be covered. 2 Lecture, 2 Lab. Prerequisites ET 349. Credits 3

ET 461 - Engineering Project Management

Engineering project management is a technique for accomplishing specialized missions or work when normal organizational structure or methods are not sufficient. 2 Lecture, 2 Lab. Prerequisites Engineering Technology major and junior standing. Credits 3

ET 470 - AIDC for the Enterprise

A study of methods and systems used to automate data collection and the identification of physical objects. 2 Lecture, 2 Lab. Prerequisites ECET 301 or permission of instructor. Credits 3

ET 472 - Integrated Control Systems

Electronic sensing, logic, and control functions applied to automated systems. 2 Lecture, 2 Lab. Prerequisites ECET 301 or 341; ET 351 or ECET 332. Credits 3

ET 478 - Integrated Systems Project

Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. 1 Lecture, 4 Lab. Prerequisites ET 461 or permission of instructor. Credits 3

ET 480 - Independent Study

Independent study in industrial, technical, or vocational education; project required. Prerequisites PREQ: Permission of advisor and instructor. Credits 1-3, R6

ET 493 - Special Topics

Special Topics. Prerequisites Permission of instructor. Credits 1-3, R6

ET 495 - Engineering Technology Seminar

Trends, issues, and selected topics pertinent to current operations and practices. Prerequisites Engineering technology major and senior standing. Seminar. Credits 1-3, R6

English

ENGL 101 - Writing and Rhetoric

First year composition writing. Introduction to rhetoric and college-level writing, reading, and thinking. Students develop individual writing process, research, and self-assessment strategies. (C1). Credits 3

ENGL 131 - Academic English for Non-Native Speakers

For non-Native speakers of English who wish to explore cultural diversity from their own international perspectives in order to develop
strategies in reading, writing, speaking, and listening in academic English settings. Limited to non-native speakers at an intermediate level or above. Credits 3

ENGL 132 - American English for Non-Native Speakers II

A specialized writing and mechanic skills class providing further preparation for composition courses. Exceptional performance and satisfaction of other criteria may result in waiver of Engl. 131. Credits 3

ENGL 190 - Freshman Seminar in Literature

Reading and writing about literature, with emphasis on human experience and values. Credits 3

ENGL 191 - Freshman Seminar in Creative Writing

Allows students to explore, practice, and discuss their creative writing, with emphasis on one or more of the following: poetry, fiction, creative nonfiction, and screenwriting. Credits 3

ENGL 192 - First Year Seminar in Motion Picture Studies

Reading and writing about motion pictures, with an emphasis on critical viewing practices. The final project will be a student-run film festival. Credits 3

ENGL 200 - Introduction to the English Major

This one-hour course provides an opportunity to introduce students to the major. Credits 1

ENGL 202 - Writing and Critical Inquiry

Second year writing. Research based course in scholarly writing and rhetoric. Students engage in interdisciplinary inquiries, solve complex problems, and develop arguments, synthesizing their ideas with the ideas of others. Prerequisites ENGL 101. (C1). Credits 3

ENGL 204 - The Literature of Culture

The study of a variety of nonwestern cultures through their literature. Emphasis on such issues as religion, gender and family, economics, and social organization. (P6). Credits 3

ENGL 206 - Literature and the Environment

This course focuses on specific locations and on the way that literature engages with the environment and environmental issues pertaining to those places. (P4). Credits 3

ENGL 207 - Popular Literature and Culture

Examines various popular literary genres, including gothic, popular romances, mysteries, westerns, science-fiction and fantasy, children's literature, film, television, and the Internet. (P4). Credits 3

ENGL 209 - Past Times: Literature and History

Focuses upon the relationship between literature of the past and historical events, historical documents, and the
events and texts of our time. (P4). Credits 3

ENGL 210 - Contemporary African American Literature

This course explores the rich tradition of African American literature from World War II to the present. (P4). Credits 3

ENGL 232 - Introduction to Mythology

The basic Greek and Roman myths: their origins, their manifestations in the great classical epics, and their variations in the works of later authors. Closed to freshmen (0-24 hours). Credits 3

ENGL 240 - Research, Literary Criticism & British Literature

Survey of British literature with a particular emphasis on learning research skills as well as how to incorporate outside sources and literary criticism into writing. Prerequisites ENGL 101. Credits 3

ENGL 241 - Formalism & American Literature

Survey of American literature with a particular emphasis on formalism, the technical vocabulary used in literary study and the skill of close reading. Prerequisites ENGL 101. Credits 3

ENGL 242 - Cultural Studies & Non-Western World Literature

Survey of non-western world literature with a particular emphasis on the role that culture plays in textual production. Prerequisites ENGL 101. Credits 3

ENGL 278 - Introduction to Film Studies

An introduction to the study of film as a means of artistic expression and as a mirror of cultural values in the twentieth century. Closed to freshmen (0-24 hours). Credits 3

ENGL 290 - Literature and the Sacred

Themes, images, and concepts of the Sacred in literature such as the Bible, myths of origin, Native American sacred stories, or Metaphysical poetry. (P4). Credits 3

ENGL 302 - Introduction to Creative Writing and Editing

Career opportunities and practices in creative writing genres; editing and preparation of creative manuscripts for publication. Closed to freshmen (0-24 hours). Credits 3

ENGL 303 - Introduction to Professional Writing and Editing

Career opportunities, practices and skills in professional writing, editing, and conventional and electronic publication. Closed to freshmen (0-24 hours). Credits 3

ENGL 304 - Writing for Electronic Environments

A course that teaches clear and coherent writing in electronic environments, including multimedia publication, Web page and document design, and computer documentation,
instructions, and manuals. Closed to freshmen (0-24 hours).

**ENGL 303 - Grammar for Teachers**

The grammar of standard American English. For students who wish to pursue careers in teaching English and language arts. Closed to freshmen (0-24 hours). **Prerequisites** ENGL 303. **Credits** 3

**ENGL 306 - Nonfiction Writing**

Study and practice of technique and form in creative nonfiction writing, workshop discussion of students’ original work and revisions; analysis of contemporary memoirs, personal essays and nonfiction shorts. Closed to freshmen (0-24 hours).

**Prerequisites** ENGL 302. **Credits** 3

**ENGL 307 - Professional Editing and Publishing**

Advanced practicum in student's chosen area in professional writing; editing practices and production; copyright and libel law. Closed to freshmen (0-24 hours).

**Prerequisites** ENGL 101 and 202; 303. **Credits** 3

**ENGL 308 - Fiction Writing**

Study and practice of technique and form in fiction writing; workshop discussion of students’ stories and assigned exercises; original work and revision. Closed to freshmen (0-24 hours).

**Prerequisites** ENGL 302. **Credits** 3, R6

**ENGL 309 - Poetry Writing**

Study and practice of technique and form in poetry writing, emphasizing traditional as well as free verse; analysis of contemporary poetry; students’ poetry read for class criticism. Closed to freshmen (0-24 hours).

**Prerequisites** ENGL 302. **Credits** 3, R6

**ENGL 311 - Grammar, Language, and Discourse**

The course focuses on grammatical, sociolinguistic, and discursive issues affecting the teaching of English. Closed to freshmen (0-24 hours).

**Credits** 3

**ENGL 312 - Proposal and Grant Writing**

Proposal and Grant Writing is an introduction to the proposal and grant writing process. Students will learn how to search for funding, read requests for proposals (RFPs), and write effective proposals and grant applications. Closed to freshmen (0-24 hours).

**Credits** 3

**ENGL 313 - Authoring Multimedia**

Applying the principles of clear professional writing to the creation of multimedia communications that incorporate text, art, audio, and video. Closed to freshmen (0-24 hours).

**Prerequisites** ENGL 303. **Credits** 3, R6

**ENGL 315 - Language and Culture**

How culture and language affect the academic experiences of language-minority students in K-12 setting. Closed to freshmen (0-24 hours).

**Credits** 3
ENGL 326 - Policies and Politics of ESL

History of multilingualism in the US and the politics and policies of ESL at local, State, and National levels. Closed to freshmen (0-24 hours). Credits 3

ENGL 333 - Introduction to Shakespeare

General survey of Shakespeare's life, times, and most popular plays. (Literature majors should take 431, Shakespeare and His Age.) Closed to freshmen (0-24 hours). (P4). Credits 3

ENGL 350 - The Renaissance

Examines the Renaissance: the rise of religious debate, print culture, humanist philosophies, voyages of discovery, and the effect these had on art and literature. Closed to freshmen (0-24 hours). (P4). Prerequisites ENGL 101 and ENGL 202. Credits 3

ENGL 351 - The Beats, Radicals, and Avant-Garde Literature

An examination of the literature of the Beat movement and other radical, avant-garde, and protest movements to determine how disenfranchised groups change cultural perceptions. Closed to freshmen (0-24 hours). (P4). Prerequisites ENGL 101 and ENGL 102. Credits 3

ENGL 352 - The Journey in Literature

Examines literature with the journey as its focal point, both in short pieces like poems and short stories as well as in longer, epic works. Closed to freshmen (0-24 hours). (P4). Prerequisites ENGL 101 and ENGL 202. Credits 3

ENGL 353 - Stories Retold

This course focuses on novels, plays, poems, and films that are contemporary retellings of canonical works. Narratives are retold from the perspectives of marginalized characters. (P4). Credits 3

ENGL 354 - Globalization and Global Literatures

Students in this course will engage the literature of non-Western cultures in the context of globalization by focusing on diverse themes such as gender, economics, and religion. In satisfying the P6 upper-level perspective requirement of the Liberal Studies Program, the course will emphasize reading, writing, the use of information, critical analysis, oral communication, moral reflection, and cultural diversity. Credits 3

ENGL 366 - Literature and Immigration

A study of literary by and about immigrants, refugees, and displaced peoples from around the world. Closed to freshmen (0-24 hours). (P6). Credits 3

ENGL 367 - Appalachian Literature

A survey of the poetry, fiction, and nonfiction works from the Southern Appalachian region with particular emphasis on cultural and historical themes of the region. Closed to freshmen (0-24 hours).
ENGL 368 - Film Genres

An introduction to several film genres or an intensive exploration of one film genre—such as comedy, horror, science fiction, documentary, or musical. (P4). Credits 3, R6

ENGL 378 - Motion Picture Histories

An examination of key periods in the history of film and television which are important to their development as artistic and cultural phenomena in the twentieth century. Closed to freshmen (0-24 hours). Prerequisites ENGL 278. Credits 3

ENGL 389 - Cooperative Education: Professional Writing

See Cooperative Education Program. Closed to freshmen (0-24 hours). Prerequisites ENGL 303. Credits 1 or 3, R15

ENGL 390 - The Bible as Literature

The Bible as literature examines key portions of the Bible, exploring its array of subjects and themes, and of literary styles and genre. Closed to freshmen (0-24 hours). (P4). Prerequisites ENGL 101 and ENGL 202. Credits 3

ENGL 394 - Film Adaptation

Focus on a narrower area of film study, such as a specific direction, period of film history, or nationality of filmmakers. Closed to freshmen (0-24 hours). Credits 3, R6

ENGL 401 - Writing for Careers

Theory and application of rhetoric in professional communication; emphasis on triad of author, subject, and audience. Practical assignments: memos, letters, resumes, reports, and persuasive messages. Closed to freshmen (0-24 hours). Credits 3

ENGL 402 - Technical Writing

Writing and editing technical manuals and reports; layout and production of technical document with practice in computer applications. Closed to freshmen (0-24 hours). Credits 3

ENGL 405 - Advanced Creative Writing

Intensive study and practice of creative writing; emphasis on required individual projects. Closed to freshmen (0-24 hours). Prerequisites Satisfactory writing sample and permission of instructor. Credits 3

ENGL 411 - History of the English Language

Origins and development of the English language from the beginnings to the present. Closed to freshmen (0-24 hours). Credits 3

ENGL 412 - Grammar for Writers

The grammar and editorial practices of standard American English. For students who wish to explore careers in writing. Closed to freshmen (0-24 hours). Credits 3
ENGL 413 - ESL Methods for Content Teachers

ESL methodology for content teachers working the English language learning in the K-12 setting. Closed to freshmen (0-24 hours). Credits 3

ENGL 414 - Fundamentals of Teaching Composition

Theoretical and practical basis for designing and teaching composition course; analysis of rhetorical, cognitive, and linguistic approaches. Practical, research-based techniques and issues. Offered every spring semester. Closed to freshmen (0-24 hours). Credits 3

ENGL 415 - Introduction to Linguistics

An introduction to the study of linguistics. Closed to freshmen (0-24 hours). Credits 3

ENGL 416 - Teaching English as a Second Language

Current trends/strategies in teaching English to nonnative speakers. Aspects of American culture that affect language learning. Closed to freshmen (0-24 hours). Credits 3

ENGL 417 - Methods for Teaching English

Methods, materials, curriculum, and trends in teaching in the secondary schools. Closed to freshmen (0-24 hours). Prerequisites Admission to the teacher education program. Credits 3

ENGL 418 - Fundamentals of Teaching Literature

Methods, materials, curriculum, trends, and assessment in teaching literature in secondary schools. Closed to freshmen (0-24 hours). Prerequisites ENGL 202. Credits 3

ENGL 419 - Medieval Literature

Medieval British Literature (600-1500) in its European context. Content may include Arthuriana, Beowulf, Gower, Kempe, Dante, Gawain Poet, and Boccaccio. Closed to Freshman (0-24 hours). Credits 3

ENGL 420 - Chaucer and His Age

Chaucer's major poetry; emphasis on Troilus and Criseyde and The Canterbury Tales; selected readings from the works of contemporaries. Closed to freshmen (0-24 hours). Credits 3

ENGL 421 - Fairy Tale Literature

The genre of the fairy tale: its structure and theme; its influence on children's literature as well as mainstream literature. Closed to freshmen (0-24 hours). Credits 3

ENGL 422 - Adolescent Literature in Secondary Schools

Theoretical perspectives, methodologies, and curricular issues in teaching adolescent literature and literacy in secondary schools. Emphasis on literary, philosophical, and critical analysis of the genre. Closed to freshmen (0-24 hours). Prerequisites ENGL 202. Credits 3

ENGL 429 - Studies in Professional Writing
This course offers special studies in technical and professional writing that are not covered in other elective courses. It is designed to prepare students for specific career paths in professional and technical communication. The course theme will change depending on the expertise of the professor teaching the course, such as science, medical, or legal writing. Students will read specialized pieces in various genres and practice specific forms of writing as well. Prerequisites: ENGL 303 or permission of the instructor. Credits 3

ENGL 430 - English Literature of the Renaissance

Representative Tudor and Jacobean prose and nondramatic poetry. Closed to freshmen (0-24 hours). Credits 3

ENGL 431 - Shakespeare and His Age

Closed to freshmen (0-24 hours). Credits 3

ENGL 440 - Milton and His Age

Milton's major poems; selections from his prose; readings from works of contemporaries. Closed to freshmen (0-24 hours). Credits 3

ENGL 441 - The Age of Pope, Swift, and Johnson

Selections from the works of Pope, Swift, Johnson, and their contemporaries. Closed to freshmen (0-24 hours). Credits 3

ENGL 450 - Major Writers

Selected works of one or more important authors from a single historic period. Closed to freshmen (0-24 hours). Credits 3, R6

ENGL 451 - Nineteenth-Century British Writers

The poetry and fiction of the major Romantic and Victorian authors, including Wordsworth, Coleridge, Keats, Shelley, Tennyson, Browning, Arnold, and Dickens. Closed to freshmen (0-24 hours). Credits 3

ENGL 459 - Southern Literature

A survey of the literature of the South from its beginnings to the present with particular emphasis on cultural and historical themes of the region. Closed to freshmen (0-24 hours). Credits 3

ENGL 461 - The "Long 19th Century" in American Literature

Classic American literature with Irving, Emerson, Poe, Thoreau, Whitman and Dickinson, plus the expanded canon of diverse women, abolitionists, African Americans, realists, and naturalists. Credits 3

ENGL 463 - Contemporary Literature

Study of literature written from World War II to the present with an emphasis on intertextuality and influence. Closed to freshmen (0-24 hours). Credits 3

ENGL 464 - Native American Literature

Ancient oral tradition and contemporary works. Perceptions of
culture, environment, and time observed in "old ways" stories; how influences emerge in "new way" poetry and fiction. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 465 - Topics in African American Literature**

Selected topics, authors or periods of significant importance in African American literature. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 469 - Directors/Screenwriters/Stars**

Focus on specific director, screenwriter, or celebrity important to the development of film and television as artistic and cultural phenomena in the twentieth century. **Prerequisites** ENGL 278. **Credits 3, R6**

**ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature**

Literature and film by authors from formerly colonized areas such as Africa, India, Australia, New Zealand, and the Caribbean that share English as literary language. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 471 - Studies in Poetry**

A study of the genre of poetry. A consideration of developments in poetry, form and audience organized by literary period or theme. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 472 - Studies in Fiction**

A study of the genre. A consideration of development in narrative, form and audience organized by literary period or theme. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 473 - Studies in Drama**

A study of the genre of drama. A consideration of developments in drama, form, performance and audience organized by literary period or theme. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 474 - Literary Theory**

Study of literary theory's most compelling issues and current schools of thought: Deconstruction, Feminism, Psychoanalysis, New Historicism, Marxism, Race and Ethnicity, Post-colonial, Ecocriticism. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 475 - Modernism**

Study of literature written from 1900 to World War II. Literature will include multiple genres and national origins. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 476 - The Short Story**

History and development of the short story in Western literature. Closed to freshmen (0-24 hours). **Credits 3**

**ENGL 477 - Literature and Gender**

Study of literature by or about women; the relationship of men and women in literature; feminist issues from a literary perspective. Closed to freshmen (0-24 hours). **Credits 3**
ENGL 478 - Film Theory
A focused study of classical and contemporary film theory and debates, such as montage, apparatus theory, historiography, realism, and the gaze. Closed to freshmen (0-24 hours). Credits 3

ENGL 479 - Studies in Literature
Topics vary. Closed to freshmen (0-24 hours). Credits 3, R6

ENGL 480 - Studies in English
Independent study/directed research in English. Closed to freshmen (0-24 hours). Prerequisites Permission of instructor and department head. Credits 1-3, R6

ENGL 483 - Writing Internship
Practical experience in a writing-related setting. S/U grading. 9 hours per week per course. Closed to freshmen (0-24 hours). Prerequisites ENGL 303. Credits 3

ENGL 484 - Writing Internship
Practical experience in a writing-related setting. S/U grading. Nine hours per week per course. Closed to freshmen (0-24 hours). Prerequisites ENGL 303. Credits 3

ENGL 485 - Writing Internship
Practical experience in a writing-related setting. S/U grading. Nine hours per week per course. Closed to freshmen (0-24 hours). Prerequisites ENGL 303. Credits 3

ENGL 491 - Supervised Student Teaching in English, 9-12
A full-time supervised teaching experience in English. Closed to freshmen (0-24 hours). Corequisites EDSE 485, 495. Credits 3

ENGL 492 - ESL Practicum
Student placement in an academic setting exploring principles of language learning, intercultural communication, and ESL methodology. Prerequisites ENGL 415; ENGL 416 or ENGL 413. Credits 3

ENGL 493 - Topics in Creative Writing
Study and practice of writing in a special area, e.g., the novel, drama, science fiction, juvenile literature. Closed to freshmen (0-24 hours). Credits 1-3, R6

ENGL 494 - Special Topics in Advanced American English for Non-Native Speakers
An advanced academic writing skills class for upper-level undergraduates whose native language is not English. Focus will be both on rhetorical style and on mechanics (grammar and punctuation). Closed to freshmen (0-24 hours). Prerequisites Credit not applicable toward hours for graduation. Credits 1, R6

ENGL 496 - Seminar in World Literature
World literature and/or in translation organized by literary period, national origin, or theme. Closed to freshmen (0-24 hours). Credits 3
ENGL 498 - Senior Seminar in English

This course will provide a capstone experience for the English major, evenly divided between career preparation and an intensive study of a chosen topic. Closed to freshmen, sophomores, and juniors (0-72 hours). Prerequisites: Senior standing. Credits 3

Entrepreneurship

ENT 195 - Social Entrepreneurship: Creating Innovative Solutions to Social Problems

Introduces students to the concept of social entrepreneurship as a mechanism for individuals to develop innovative solutions to society's most pressing problems. Credits 3

ENT 201 - Introduction to Entrepreneurship

Introduction to the principles of starting and operating an entrepreneurial venture. Credits 3

ENT 250 - Innovation and Creativity

Developing and enhancing individual and organizational creativity and innovation. Credits 3

ENT 293 - Topics in Entrepreneurship

Topics in Entrepreneurship. Credits 1-6, R6

ENT 301 - Innovation Leadership

Developing, enhancing, and maintaining leadership in a successful entrepreneurial venture. Credits 3

ENT 325 - New Venture Creation

Planning and executing the creation of a successful entrepreneurial venture. Credits 3

ENT 335 - Intrapreneurship

This course addresses the emerging practice of Intrapreneurship, broadly defined as the application of entrepreneurial capabilities to the development of new ventures within an existing firm. Prerequisites: ENT 250. Credits 3

ENT 350 - New Venture Execution

Instituting and expanding a successful entrepreneurial venture. Prerequisites: ENT 201 or ENT 250. Credits 3

ENT 389 - Cooperative Education

Cooperative Education. Prerequisites: Permission of instructor. Credits 1-3, R6

ENT 401 - Entrepreneurial Funding

Introduction to the concepts of capital formation, cash management, capital management, financial reporting and financial analysis for any student seeking to fund a new venture. Prerequisites: ENT 301 and ENT 325. Credits 3

ENT 450 - New Venture Strategy
Operating and developing a successful entrepreneurial venture in a competitive environment. Prerequisites ENT 301 and ENT 325. Credits 3

ENT 475 - Entrepreneurial Experience

The study of entrepreneurship as a driver of economic activity. Prerequisites ENT 301 and ENT 325. Credits 3

ENT 482 - Independent Study

Independent Study. Prerequisites Permission of instructor. Credits 1-3, R6

ENT 483 - Internship

Internship. Prerequisites Permission of instructor. Credits 1-3, R6

ENT 493 - Topics in Entrepreneurship

Topics in Entrepreneurship. Prerequisites Permission of instructor. Credits 1-6, R9

Environmental Health

ENVH 130 - Environmental Health Science: Systems and Solutions

A comprehensive overview of environmental health science connecting the natural environment to human society. Exploration of environmental issues and sustainability. (C5). Credits 3

ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution

Public Health solutions applied to past and future world health concerns such as emergent diseases and international threats such as bioterrorism. Credits 3

ENVH 200 - Introduction to Public Health

This course will explore the system of public health and its role in individual, community, and global health, including social, governmental and cultural influences. Credits 3

ENVH 210 - Global Disparities in Public Health

This course explores global and cultural disparities in public health: healthcare; vaccination programs, safe drinking water; disease vectors; food safety; and wellness programs. (P6). Credits 3

ENVH 215 - Principles of Personal Protective Equipment

A study of the hazard assessment, use and selection of PPE as a control for occupational health and safety hazards. Credits 2

ENVH 230 - Introduction to Environmental Health Science

Survey of human impacts on the environment and health problems caused by environmental factors. Credits 3

ENVH 260 - Etiology of Infectious Diseases, Lecture

Disease-causing bacteria, viruses, rickettsia, fungi, and animal parasites; disease-producing mechanisms and
resistance to infection. 2 Lecture, 2 Lab. Prerequisites CHEM 133 or permission of instructor. Corequisites ENVH 261. Credits 2

ENVH 261 - Etiology of Infectious Diseases Laboratory

Laboratory to accompany ENVH 260 Etiology of Infectious Diseases. Corequisites ENVH 260. Credits 1

ENVH 270 - Biological Basis of Disease

This course provides the student with an understanding of the basic biology of health and disease. Prerequisites Environmental health major or permission of instructor. Credits 3

ENVH 300 - Occupational Health

Historical, social, and legislative overview of occupational health and the prevention of injuries and illnesses. The impact of human behavior and culture will be examined. (P1). Credits 3

ENVH 310 - Water Quality Control

Environmental management practices related to water pollution and water quality. 3 Lecture. Prerequisites CHEM 140 or permission of instructor. Credits 3

ENVH 311 - Water Quality Control Laboratory

Laboratory to accompany ENVH 310 Water Quality Control. Prerequisites Junior Standing, Environmental Health Major, or Permission of Instructor. Credits 1

ENVH 312 - Solid and Hazardous Materials Management

Techniques for management and disposal of solid and hazardous materials, including regulations, emergency planning, management, and response. Credits 3

ENVH 317 - Noise and Hearing Conservation

A study of the recognition, evaluation and control of noise and hearing conservation. Credits 2

ENVH 320 - Institutional and Residential Environments

An introduction to the basic health and safety issues in modern housing and institutional settings. Credits 3

ENVH 330 - Food Protection and Sanitation

Principles and techniques applied to the protection of food for human consumption. Credits 3

ENVH 331 - Food Protection and Sanitation Laboratory

Laboratory to accompany ENVH 330 Food Protection and Sanitation. Prerequisites Junior Standing. Corequisites ENVH 330. Credits 1

ENVH 340 - Environmental Health Practices
Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice.\textbf{Credits} 3

\textbf{ENVH 375 - Environmental Toxicology}

The monitoring, effects, and control of toxic materials in the environment. Mechanisms of action of toxic chemicals in humans and other organisms.\textbf{Prerequisites} Junior Standing. \textbf{Credits} 3

\textbf{ENVH 380 - Biosafety and Bioterrorism}

Principles and practices associated with biological agents in the workplace, community, and as part of bioterrorism events. \textbf{Credits} 3

\textbf{ENVH 395 - Environmental Health Pre-Internship Seminar}

Developing student skills (resume development, interviewing skills, personality type and leadership style, ethical decision making and professional behavior) to be successful during the internship experience and professional practice.\textbf{Prerequisites} Environmental Health major or permission of instructor. \textbf{Credits} 1

\textbf{ENVH 410 - Radiation Safety}

This course will aid students in the recognition, evaluation, and control of ionizing and non-ionizing radiation sources found in the occupational environment. \textbf{Credits} 2

\textbf{ENVH 430 - Medical Entomology}

The study of the morphology, physiology, phylogeny, ontogeny, behavior, ecology, and population biology of insects.\textbf{Prerequisites} Junior standing. \textbf{Credits} 3

\textbf{ENVH 431 - Medical Entomology Laboratory}

Laboratory to accompany ENVH 430 Medical Entomology.\textbf{Prerequisites} Junior Standing. \textbf{Corequisites} ENVH 430. \textbf{Credits} 1

\textbf{ENVH 440 - Air Quality Control}

Evaluating and monitoring air quality; effects of pollution control and lab procedures in air quality investigation. 3 Lecture.\textbf{Prerequisites} PREQ: Junior Standing. \textbf{Credits} 3

\textbf{ENVH 450 - Industrial Hygiene Laboratory}

Principles, techniques, and methods to quantify chemical substances in the air. 1 Lecture, 2 Lab.\textbf{Prerequisites} Junior Standing, CHEM 140 or higher. \textbf{Corequisites} ENVH 457. \textbf{Credits} 2

\textbf{ENVH 457 - Industrial Hygiene}

Understanding and applying the industrial hygiene process (anticipation, recognition, evaluation, and control) to physical, biological, and chemical hazards in the workplace. \textbf{Prerequisites} Environmental health major or permission of instructor. \textbf{Credits} 3

\textbf{ENVH 458 - Environmental Regulation and Law}
Basic concepts of environmental law including the workings of the justice system, the litigation process, witness testimony, and laws. **Credits 3**

**ENVH 460 - Senior Seminar in Environmental Health**

Exploration of current issues in environmental health. **Prerequisites** Senior status. **Credits 1**

**ENVH 465 - Wastewater Issues in Environmental Health**

Overview of concepts related to water and wastewater management in the U.S., including residential (on-site), community, and municipal wastewater systems. **Prerequisites** ENVH 310. **Credits 3**

**ENVH 470 - Principles of Epidemiology**

Principles and applications to investigation, control, prevention of disease and statistical applications. **Prerequisites** Senior standing and MATH 146 (or higher) or permission of instructor. **Credits 4**

**ENVH 480 - Independent Study in Environmental Health**

Independent study through a project related to the field of public or environmental health that enables the student to develop in-depth knowledge and skills to complement academic coursework and achieve the individual learning outcomes. **Prerequisites** Permission of instructor. **Credits 1-3, R6**

**ENVH 483 - Environmental Health Internship**

Experiential learning under a qualified environmental health and safety professional. **Prerequisites** Environmental health major or permission of instructor. **Credits 2, R6**

**ENVH 493 - Topics in Environmental Health**

Studies in special areas of interest in environmental health. **Prerequisites** Permission of instructor. **Credits 1-3, R9**

**ENVH 495 - REHS/RS Review Course**

Knowledge of the principles and practices required for a Registered Environmental Health Sanitarian/Registered Sanitarian (REHS/RS) will be reviewed by the course participants in an effort to help prepare them to sit for the REHS/RS credential exam. This course is not intended to be a complete or comprehensive review of all REHS/RS exam content areas. **Credits 1**

**ENVH 499 - Undergraduate Research in Environmental Health**

Mentored undergraduate research in a selected area of environmental health. **Prerequisites** Permission of instructor. **Credits 1-3, R6**

**Environmental Sciences**

**ES 101 - Careers and Issues in Environmental Science**
Topical issues, career opportunities, and degree options in the environmental sciences at WCU. Students will produce a personal/professional development plan as one of the requirements. Credits 1

ES 150 - Introduction and Approaches to Environmental Science

An introduction for students majoring in environmental science. An overview of environmental science and current issues and approaches to studying environmental problems. 3 Lecture, 3 Lab. Credits 4

ES 250 - Seminal Readings in Environmental Sciences

Major figures, works, and ideas in environmental science are explored to give students knowledge and understanding of key concepts in modern environmental thought. Prerequisites ES major, sophomore or higher status. Credits 1

ES 350 - Seminar in Energy, Economics, and the Environment

Impacts of energy production and consumption on environmental and economic sustainability are explored including true costs of tradeoffs of converting to renewable energy sources. Prerequisites ES major, Junior status or higher, or instructor permission. Credits 1

ES 480 - Independent Study

Independent Study. Prerequisites ES Major and Permission of Instructor. Credits 1-3, R6

ES 493 - Topics in Environmental Science

A current topic in environmental science will be explored. Prerequisites Permission of the instructor. Credits (1-3, R6)

ES 495 - Senior Research Seminar in Environmental Science

Capstone course for environmental science majors. Students will bring together the principles learned through various coursework in the program and conduct a group research project. Credits 3

Film and Television Production

FTP 110 - Introduction to Screenwriting

Develop a working construct for screenwriting and filmmaking, as well as the critical aspects of theme, character, plot, and formatting for the screenplay. Emphasis is placed on telling a story in terms of action and the reality of characters. The difference between the literary and visual medium is explored through individual writing projects and group analysis. Prerequisites Admission to the Film and Television Production BFA, Stage and Screen BA, or Permission of Instructor. Credits 3

FTP 150 - Thinking Like A Filmmaker

An introduction to the arts used by filmmakers in creating cinematic art as well as to the skills and thought processes filmmakers use. Credits 3
FTP 155 - Camera Craft
This course focuses on a range of specific visual aesthetics and how to capture those aesthetics through camera exposure, lenses, framing, movement, and simple lighting techniques. **Prerequisites** Admission into the Film and Television Production Program, BA in Stage and Screen, or by Permission of Instructor. **Credits** 3

FTP 157 - Non-Linear Editing
Students will learn the art and technical proficiencies required for editing motion pictures from assembly through fine cut, including sound design. **Prerequisites** Admittance to the Film and Television Production BFA. **Credits** 3

FTP 241 - Visual Effects
In this course, students will learn the basic production and software proficiencies required to generate an essential selection of industry-quality video effects (VFX). **Prerequisites** FTP 157. **Credits** 3

FTP 251 - Lighting for Film and Television
Students learn a range of genre-specific lighting techniques including lighting for on-location interiors and exteriors, studio lighting, and lighting cues. **Prerequisites** FTP 155 or Permission of Instructor. **Credits** 3

FTP 253 - Introduction to Film Directing
Students will shoot and edit short films as they learn the basics of cinematic language. **Prerequisites** FTP 250 or permission of instructor. **Credits** 3

FTP 310 - Introduction to Screenwriting
Introduction to writing teleplays and screenplays; preparation of original manuscripts for agents. Closed to freshmen (0-24 hours). **Prerequisites** ENGL 101. **Credits** 3

FTP 320 - Adapting the Short Story
Students will each choose a short story and then write a screen adaptation. **Prerequisites** FTP 310 or permission of instructor. **Credits** 3

FTP 321 - Scene Writing
A concentrated seminar/workshop in writing scenes for the screen. **Prerequisites** FTP 310 or permission of instructor. **Credits** 3

FTP 329 - Writing the Short Screenplay
This course is designed to teach students how to write compelling short screenplays for production and festival play through the advanced implementation of: three-dimensional characters, multiple short form structures, various forms of tension, nuanced dialog, exposition as action, and visual writing techniques. **Prerequisites** FTP 110 or by Permission of Instructor. **Credits** 3

FTP 330 - Writing the Series I
Focus on the rigors and discipline of pitching, outlining, and writing for a dramatic episodic television series through study of two series currently on television. **Prerequisites** FTP 110 or Permission of Instructor. **Credits** 3

**FTP 331 - Writing the Series II**

Practice and application of serving as a staff-writer for a one-hour drama and half-hour comedy television series. **Prerequisites** FTP 330 or by Permission of Instructor. **Credits** 3

**FTP 332 - Creating the Pilot and Bible**

This is a course designed to teach students how to develop and pitch a dramatic pilot intended for launch as an episodic series. Students will learn the various networks and platforms available to produce original television content and what each platform looks for in developing original content for long term broadcast or streaming. **Prerequisites** FTP 331 or by Permission of Instructor. **Credits** 3

**FTP 333 - Writing the Pilot**

This is a course designed to teach students the rigors, discipline, and fulfillment of creating a dramatic pilot intended to launch an episodic series. **Prerequisites** FTP 332 or by Permission of Instructor. **Credits** 3

**FTP 335 - Intermediate Cinematography**

This course covers intermediate techniques of cinematography and production lighting. 2 Lecture, 2 Lab. **Prerequisites** FTP 250 or permission of instructor. **Credits** 3

**FTP 340 - Filmmakers on Filmmaking**

Students will examine in depth how screen artists approach their craft and art. Lecture. (P5). **Credits** 3

**FTP 345 - Writing the Feature I**

In this course, students will learn how to construct a feature film screenplay from outline, character design, and plot structure pre-writing through the execution of the first half of a properly-formatted feature screenplay. **Prerequisites** FTP 110 or by Permission of Instructor. **Credits** 3

**FTP 346 - Writing the Feature II**

In this course, students will learn how to construct a feature film screenplay from writing and rewriting scenes and sequences through the execution of the second half of a properly-formatted feature screenplay. **Prerequisites** FTP 345 or by Permission of Instructor. **Credits** 3

**FTP 359 - Elements of Motion Picture Production**

This course examines how a motion picture is put together from script to final print. Lectures plus hands-on workshops. 2 Lecture, 2 Lab. **Credits** 3

**FTP 361 - Intermediate Directing**

Focus on directing actors, staging for camera, and scene analysis. 3 Lecture, 3 Lab. **Prerequisites** FTP 253. **Credits** 3

**FTP 365 - Producing**
Students will learn how to produce a film project from script development, financing, and legal issues through production to sales and marketing. Prerequisites FTP 253 or permission of instructor. Credits 3

FTP 386 - Film Practicum I

In this course, taken every Fall semester by students in the Film and Television Production program, students will cultivate and refine their artistic voice through brand development, engagement with cinephile culture, and creative projects. Prerequisites Admission to the Film and Television Production BFA or Stage and Screen BA or by Permission of Instructor. Credits 2, R10

FTP 388 - Production I

In this course, each third-year student joins one of several senior projects as a department head, in order to craft a festival-caliber short motion picture. Prerequisites FTP 361- Directing for Film and TV and FTP 255- Cinematography or by Permission of Instructor. Credits 3

FTP 406 - Screenwriting II

Outline a complete feature-length screenplay and write the first act of that screenplay. Closed to freshmen (0-24 hours). Prerequisites FTP 310. Credits 3

FTP 407 - Screenwriting III

Complete and rewrite the screenplay begun in MPTP 406. Closed to freshmen (0-24 hours). Prerequisites FTP 406 and permission of instructor. Credits 3

FTP 409 - Writing the Series

Students will write an episode of a dramatic television series and learn how to function in a "writers' room." Prerequisites FTP 310. Credits 3

FTP 410 - Writing the Pilot

Students will conceive and write the pilot episode of an original television series. Prerequisites FTP 310 and FTP 409, or permission of instructor. Credits 3

FTP 436 - Digital Cinematography

Techniques of digital cinematography. Course will explore the study and usage of the High Definition cameras, camera operation, camera systems and set operations. Prerequisites FTP 250. Credits 3

FTP 457 - Advanced Editing

Advanced techniques of editing and post production explored within context of editing a major project. Prerequisites FTP 357 and permission of instructor. Credits 3

FTP 460 - Directing the Documentary I

Students will learn the theory and execute the production processes required to produce a festival-quality documentary film. This course is linked to Directing the Documentary II, where
students will complete the films they begin in this course. **Prerequisites** FTP 250 or permission of instructor. **Credits** 3

**FTP 461 - Advanced Directing**

Students will work in teams to write, produce, and direct a narrative short building on techniques learned in FTP 450. 2 Lecture, 2 Lab. **Prerequisites** FTP 361. **Credits** 3

**FTP 470 - Directing the Documentary II**

Students will refine their understanding and application of the theory and craft required to produce a festival-quality documentary film through the completion of films began in FTP 460 - Directing the Documentary I. **Prerequisites** FTP 460 or by Permission of Instructor. **Credits** 3

**FTP 483 - Internship in Motion Picture/TV**

Work experience in the motion picture/TV industry. 150 hours of work required. **Prerequisites** 60 hours completed and/or permission of program director. **Credits** 3, R6

**FTP 484 - Production II**

Students work in above-the-line teams to produce two original short films for presentation at film festivals. **Prerequisites** FTP 388 or by Permission of Instructor. **Credits** 6

**FTP 488 - Senior Project I**

Students will write and prep their senior production. 3 Lab. **Credits** 2

**FTP 489 - Production III**

In this course, fourth-year students organize into small above-the-line teams and work with third-year students to produce a festival-quality short motion picture. **Prerequisites** FTP 389 and FTP 390 or by Permission of Instructor. **Credits** 3

**FTP 493 - Special Topics in Motion Picture Production**

Study in special area of interest in motion picture and television production. **Credits** 3, R9

**FTP 495 - FTP Senior Exit Strategies**

Students will use market analysis and research to develop a plan for entering the motion picture industry. **Prerequisites** FTP 489 or by Permission of Instructor. **Credits** 3

**Finance**

**FIN 195 - You and Your Money (First Year Seminar)**

Develop life-long money management skills to achieve short and long-term goals. Topics include establishing goals, setting priorities, budgeting, banking basics, saving, investing, insurance, managing debt, financing large purchases. **Credits** 3

**FIN 210 - Managing your Money for Financial Success**
An introduction to personal financial planning including goal setting, cash management, credit, insurance, housing, educational planning and financial institutions and markets. (P1). Credits 3

FIN 301 - Financial Statement Analysis

Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. Co listed with ACCT 301. Prerequisites ACCT 275. Credits 3

FIN 305 - Financial Management

Financial analysis and planning; time-value of money; risk; leverage; capital acquisition, management, and budgeting. Prerequisites ACCT 161 or 251. Credits 3

FIN 335 - Financial Institutions

An introduction to the financial services industry: institutions, money, capital, and derivative instruments. Prerequisites FIN 305. Credits 3

FIN 350 - So You Want to Be a Millionaire

A multi-discipline approach to issues related to individual wealth accumulation and management. (P1). Prerequisites Sophomore standing. Credits 3

FIN 389 - Cooperative Education in Finance

Cooperative Education in Finance. Prerequisites 2.0 GPA on courses in business. See Cooperative Education Program. Credits 1 or 3, R15

FIN 406 - Investment Strategies

Investments for individuals, institutions, and business; securities and securities markets. Prerequisites FIN 305. Credits 3

FIN 407 - International Finance

International financial environment, exchange rate behavior, exchange rate risk management, and multinational business asset and liability management. Prerequisites FIN 305. Credits 3

FIN 409 - Entrepreneurial Finance

Problems in cash management; financing small business; problems associated with new ventures. Prerequisites FIN 305, MGT 401. Credits 3

FIN 410 - Retirement Planning

Retirement planning; goals, strategies, implementation and employee benefits. Prerequisites FIN 305. Credits 3

FIN 440 - Bank Practice and Policy

Principles underlying the employment of bank funds' allocations of funds to asset classes; and changing bank practices. Prerequisites FIN 335. Credits 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FIN 450</td>
<td>Contemporary Managerial Finance</td>
<td>Performance measures including EVA and MVA. Working capital management and short-term financing, capital budgeting, break-even and leverage analysis, mergers, and acquisitions. Prerequisites FIN 305.</td>
<td>3</td>
<td>FIN 305</td>
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<tr>
<td>FIN 470</td>
<td>Portfolio Management</td>
<td>A &quot;hands on&quot; course managing an all-equity portfolio; corporate, industry and market analysis. Prerequisites FIN 305 or permission of instructor.</td>
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<td>FIN 305 or permission of instructor.</td>
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<tr>
<td>FIN 480</td>
<td>Independent Research</td>
<td>Independent Research. Prerequisites Permission of department head.</td>
<td>3</td>
<td>Permission of department head.</td>
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<tr>
<td>FIN 483</td>
<td>Internship in Finance</td>
<td>Work experience in finance. S/U grading. Prerequisites Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week.</td>
<td>3, R9</td>
<td>FIN 406</td>
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<tr>
<td>FIN 484</td>
<td>Internship in Finance</td>
<td>Work experience in finance. S/U grading. Prerequisites Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week.</td>
<td>3, R9</td>
<td>FIN 406</td>
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<tr>
<td>FIN 485</td>
<td>Internship in Finance</td>
<td>Work experience in finance. S/U grading. Prerequisites Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week.</td>
<td>3, R9</td>
<td>FIN 406</td>
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<tr>
<td>FIN 493</td>
<td>Topics in Finance</td>
<td>Topics in Finance. Prerequisites Permission of department head.</td>
<td>1-3, R6</td>
<td>Permission of department head.</td>
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<tr>
<td>FIN 496</td>
<td>Estate &amp; Trust Planning</td>
<td>Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications.</td>
<td>3</td>
<td>Permission of department head.</td>
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<tr>
<td>FIN 499</td>
<td>Case Studies in Financial Planning</td>
<td>Development of written, oral, and interpersonal communication skills and synthesis of knowledge through case studies. Prerequisites FIN 406.</td>
<td>3</td>
<td>FIN 406</td>
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<tr>
<td>FPA 101</td>
<td>Experiencing the Arts</td>
<td>Explores basic elements and principles in the fine and performing arts (including music, painting, sculpture, design, theatre, film, and dance) and the ways in which the arts either reflect and celebrate the human experience or challenge cultural values.</td>
<td>3</td>
<td>Permission of department head.</td>
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<td>Fine and Performing Arts</td>
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<td>FPA 101 - Experiencing the Arts</td>
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<td>Forensic Science</td>
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</table>
FS 330 - Population Genetics for Forensic Science

An overview of human genetic variation and molecular population genetics as applied to forensic DNA analysis in a crime laboratory as well as the courtroom. (Cross-listed with BIOL 330). Prerequisites BIOL 240. Credits 3

FS 380 - Research in Forensic Science

Forensic science research projects for individual students. Nine hour lab. Prerequisites Junior/Senior standing, official acceptance into the Forensic Science Program, and/or permission of instructor. Credits 3, R15

FS 389 - Cooperative Education in Forensic Science

Supervised applications of academic study in a practical forensic science setting. Prerequisites Sophomore status, 2.0 GPA, permission of instructor. Credits 3

FS 422 - Forensic Biology

Principles of nuclear and mitochondrial DNA analysis including current and emerging analytical techniques, database searches, statistical analysis, courtroom testimony, and non-human DNA analysis. Prerequisites BIOL 140 and BIOL 240. Credits 4

FS 463 - The Scientific Method

Explores the nature of evidence, proof, certainty, probability, historic developments within science, hypothesis testing and surveys criticisms of science in the courtroom in society. Prerequisites Student must be of junior/senior standing. Credits 3

FS 465 - Forensic Chemistry

Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. 3 Lecture, 3 Lab. Prerequisites 242, 272, and 370. Credits 4

FS 466 - Physical Methods in Forensic Science

Survey of physical methods in forensic science including microscopy, ballistics, pattern recognition, questioned documents, fingerprint analysis, and related physical methods. Prerequisites Students must be admitted into the forensic science program and be in good academic standing. Credits 3

FS 495 - Senior Seminar in Forensic Science

Capstone course; presentations by external scientists and by students. Two hours per week. Credits 1, R3

Forestry

FOR 131 - Introduction to Forest Resources

The profession of forestry, its scope and opportunities; forest resource conservation and utilization; field exercises in forestry practices. Prerequisites Pre-forestry major. Credits 3

French
FREN 101 - Experiencing French and the Francophone World

Students develop basic knowledge of the francophone world, and through that content, acquire basic functional proficiency in French. (P6). Credits 3

FREN 102 - Experiencing French and the Francophone World II

Building on their knowledge of the francophone world, students increase their basic functional proficiency in French. (P6). Prerequisites Some competency in French or consultation with the instructor. Credits 3

FREN 105 - The French-Speaking World

Study of French culture and its relationship to the cultures of countries and regions where French is spoken. Credits 3

FREN 231 - Intermediate French I

Continuation of written and oral French grammar; readings and discussions on French culture and civilization; readings in more specialized areas; lab practice may be assigned. Prerequisites FREN 102 or equivalent or placement for 231; 231 or equivalent or placement for 232. Credits 3

FREN 232 - Intermediate French II

Continuation of written and oral French grammar; readings and discussions on French culture and civilization; readings in more specialized areas; lab practice may be assigned. Prerequisites FREN 102 or equivalent or placement for 231; 231 or equivalent or placement for 232. Credits 3

FREN 301 - French for Everyday Use I

Emphasis on enhancing oral and written communication skills in realistic everyday situations. Prerequisites FREN 232 or 240 or equivalent, or permission of department head. Credits 3

FREN 310 - Introduction to French Prose and Poetry

Introduction to French literary texts; reading and analysis of literary works. Prerequisites FREN 232 or FREN 240. Credits 3

FREN 321 - French Civilization

Geographical, political, cultural, and historical aspects of France from its origins to the present. Prerequisites FREN 232 or FREN 240. FREN 301 or FREN 302 or permission of department head. Corequisites FREN 301 or FREN 302 or permission of department head. Credits 3

FREN 322 - Francophone Cultures

A study of the cultures and regions in which French is a native or major language. Prerequisites FREN 232 or FREN 240. FREN 301 or FREN 302 or permission of department head. Corequisites FREN 301 or FREN 302 or permission of department head. Credits 3

FREN 331 - Survey of French Literature I
The main literary movements, authors, and works since the twelfth century; course division at the eighteenth century. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 3

**FREN 332 - Survey of French Literature II**

The main literary movements, authors, and works since the twelfth century; course division at the eighteenth century. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 3

**FREN 371 - Twentieth-Century French Novels in Translation**

Selected works by Proust, Gide, Mauriac, Camus, Saint-Exupery, and Colette. No knowledge of French required; not open to French majors. **Credits** 3

**FREN 393 - Special Topics in French**

Special Topics in French. **Prerequisites** FREN 232 or FREN 240. **Credits** 1-3, R6

**FREN 401 - Contrastive Structures in French and English**

Study of similarities and differences of the two languages with an emphasis on the morphology, syntax, vocabulary, phonology, and issues concerning L2 acquisition. **Prerequisites** FREN 301, FREN 302, or permission of department head. **Corequisites** FREN 301, FREN 302, or permission of department head. **Credits** 3

**FREN 431 - Studies in French Literature**

Intensive study of an author or authors, a genre, movement, school, or literary period. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 3, R6

**FREN 451 - Advanced French Grammar**

Comprehensive study of the more difficult grammatical forms and usages. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 3

**FREN 452 - Advanced French Conversation**

Discussion of selected topics, oral reports on assigned readings, situational dialogues emphasizing practical, everyday French. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 3

**FREN 481 - Independent Studies in French**
Independent Studies in French. **Prerequisites** FREN 232 or FREN 240. FREN 301 and FREN 302 or permission of department head. **Corequisites** FREN 301 and FREN 302 or permission of department head. **Credits** 1-3, R6

**Geography**

**GEOG 103 - Cultural Geography**

Interrelations of man, earth, and culture; the geography of race, language, religion; political and economic patterns; population growth and movements. (P6). **Credits** 3

**GEOG 140 - World Geography**

This course gives students a broad overview of the world in a way that integrates humanity, place, and environment. Students can expect to gain greater understanding of not just where things are but the much bigger questions of how the world's peoples occupy the earth, the cultural and natural character of different world areas, why people in these areas experience the issues they do, and ways the different areas are interdependent with each other across many kinds of human activity. Such knowledge benefits students in any major and any future career because it helps provide important context for living in our world. **Credits** 3

**GEOG 150 - Environmental Geography**

Survey of man's physical habitat, including weather and climate, soils, vegetation, and landforms; emphasis on phenomena that most influence man. **Credits** 3

**GEOG 221 - Introduction to Geospatial Analysis**

Principles and methods of geospatial analysis. Discussion of the analysis and display of spatial data including introductory concepts of remote sensing and geographic information systems. **Credits** 3

**GEOG 300 - Weather and Climate**

Meteorology (temperature, humidity, pressure, precipitation, winds, radiation); global heat budget, CO2 cycle, jet stream, air masses, fronts, storms; global distribution of climate. **Credits** 3

**GEOG 302 - Geomorphology**

Classification, description, origin, and development of landforms; relationships to underlying structures and climates. This course is cross-listed with GEOL 302. 3 Lecture, 2 Lab; field trip. **Prerequisites** ES 150 or GEOL 150 or NRM 210. **Credits** 4

**GEOG 305 - Soils and Hydrology**

Soil genesis, properties, and classification; the hydrologic cycle; surface runoff and groundwater; water budgets and water quality; management of soils and water. This course is cross-listed with GEOL 305. 3 Lecture, 2 Lab. **Prerequisites** Permission of instructor. **Credits** 4

**GEOG 322 - Cartography**
Map design and construction; basic projects, data gathering, and display methods. 2 Lecture, 6 Lab.**Prerequisites** Permission of instructor.**Credits** 4

**GEOG 324 - Introduction to Remote Sensing**

Interpretation and applications of remote sensing; satellite and aerial imagery, elementary photography, stereoscopic viewing, and photomapping. 3 Lecture, 2 Lab.**Prerequisites** GEOG 221.**Credits** 4

**GEOG 350 - Economic Geography**

Principles governing world distribution and production of economic and natural resources.**Credits** 3

**GEOG 424 - Advanced Remote Sensing**

Interpretation and application of remotely sensed data on the earth's physical and cultural environments; major project required.**Prerequisites** Permission of instructor. 3 Lecture. 3 Lab.**Credits** 4

**GEOG 440 - Regional Geography**

Physical, economic, and social aspects of the geography of a selected region (Asia, Europe, USSR, Africa, North America, Middle East, Latin America). (P6).**Prerequisites** Only three hours may count toward liberal studies credit.**Credits** 3, R12

**GEOG 441 - Geography of Appalachia**

Physical, economic, and cultural aspects of the Appalachian Region. Analysis of locational patterns of environmental and human characteristics.**Prerequisites** Junior/senior standing.**Credits** 3

**GEOG 444 - Political Geography**

Territorial and cultural elements in the formation of national and international boundaries; case studies.**Credits** 3

**GEOG 460 - Urban and Regional Land Use Planning**

Principles and practices of urban regional planning; types of planning reports; applications to North Carolina.**Prerequisites** Permission of instructor.**Credits** 3

**GEOG 462 - Introduction to Urban Geography**

Study of the spatial structure and function of urban places; theories of city origin and growth.**Credits** 3

**GEOG 483 - Internship in Geography**

Practical application of academic training in an approved agency under faculty super-vision. S/U grading. Nine hours per week per course.**Prerequisites** Junior standing.**Credits** 3

**GEOG 491 - Topics in Geography**

Presentation and discussion of subjects of current interest.**Prerequisites** Permission of instructor.**Credits** 1-3, R6

**GEOG 493 - Special Problems**
Directed individual research on selected topics. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**GEOG 495 - Senior Seminar in Geography**

Readings in historical/philosophical foundations and current topics in geography. Written and oral presentation of student research. 3 Seminar. **Prerequisites** Senior standing or permission of instructor. **Credits** 3

**Geology**

**GEOL 140 - Investigations in Environmental Geology**

Class will conduct a holistic investigation of a problem in environmental geology using basic principles and methods of science and geology; investigation topics will vary. (C5). **Credits** 3

**GEOL 150 - Methods in Geology**

Topics related to earth materials and solid and surficial earth processes explored through field, analytical, and computing methods, developing investigation and communication skills. 3 Lecture, 3 Lab. (C5). **Credits** 4

**GEOL 155 - Historical Geology**

Major events and changes in life forms in North American geological history; fossils, ancient environments, and geologic interpretation. 3 Lecture, 2 Lab. **Credits** 4

**GEOL 191 - Geology, Landscapes, and the Human Psyche**

How the physical world determines the appearance, climate, and ecology of our planet and how this physical landscape reflects a region's history, literature, and human ecology. **Credits** 3

**GEOL 250 - Introduction to the Rock Forming Minerals**

Introduction to the Rock Forming Minerals **Prerequisites** GEOL 140 or GEOL 150 and CHEM 132 or CHEM 140. **Credits** 3

**GEOL 302 - Geomorphology**

This course is cross-listed with GEOG 302. **Prerequisites** ES 150 or GEOL 150 or NRM 210. **Credits** 4

**GEOL 305 - Soils and Hydrology**

Soil genesis, properties, and classification; the hydrologic cycle; surface runoff and groundwater; water budgets and water quality; management of soils and water. This course is cross-listed with GEOG 305. 3 Lecture, 2 Lab. **Prerequisites** Permission of instructor. **Credits** 4

**GEOL 310 - Principles of Soils and Hydrology for Construction Managers**

Provides an understanding of the distribution and genesis of soils, soil physical and geotechnical properties, and hydro-geological processes that impact construction; field and geologic analysis. **Credits** 4

**GEOL 330 - Geophysics**
GEOL 355 - Petrology

Introduction to igneous, sedimentary, and metamorphic rock genesis and their environments of formation; includes hand specimen and optical identification and fieldwork. 3 Lecture, 2 Lab. Prerequisites GEOL 250. Credits 4

GEOL 356 - Advanced Petrology

Petrogenesis of igneous and metamorphic rocks using geochemistry and phase equilibria studies of mineral assemblages under various temperature-pressure conditions. Corequisites GEOL 355. Credits 2

GEOL 371 - Structural Geology

Descriptive structural geology; emphasis on outcrop and regional scale deformational features; use of maps and graphic techniques in structural analysis. 3 Lecture, 3 Lab. Prerequisites GEOL 250 and two 100 level geology courses. Field trips. Credits 4

GEOL 389 - Cooperative Education in Geology

See Cooperative Education Program. Credits 1 or 3, R15

GEOL 393 - Special Problems in Geology

Supervised research that includes a final oral presentation. Research requirements will vary with credit. Prerequisites Permission of instructor. Credits 1-4, R6

GEOL 394 - Geology Field Trip

An extended field trip to see different geologic environments. Credits 1-3, R4

GEOL 405 - Hydrogeology

Overview of basic principles and methods of hydrogeology with emphasis on groundwater, groundwater-surface water interactions, geologic controls, water chemistry, field investigations, and environmental problems. Prerequisites GEOL/GEOG 305 or GEOL/GEOG 302 or permission of instructor. Credits 4

GEOL 410 - Fluvial Geomorphology

Survey of channel hydraulics, sediment transport and deposition, and channel responses to natural and anthropogenic disturbances; emphasizes factors controlling channel form and process. Credits 3

GEOL 422 - Sedimentation and Stratigraphy

The origin and interpretation of sedimentary rocks, the study of depositional environments, and the use of layered rocks in the interpretation and synthesis of the geologic record. Field trips. 3 Lecture, 2 Lab. Prerequisites GEOL 140 or GEOL 150 and GEOL 155. Credits 4

GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration
Survey of trace metal transport and fate in riverine environments and their potential impacts on ecosystem and human health; emphasizes remediation techniques. **Credits 3**

**GEOL 455 - Wetlands**

Wetland science and management with an emphasis on physical processes and field techniques. **Prerequisites** Junior/senior standing or permission. **Credits 3**

**GEOL 465 - Environmental Geochemistry**

Applying chemical principles in the study of geologic topics including environmental contaminants, element cycling, environmental reconstruction, and climate change; use of analytical equipment in geochemistry. **Prerequisites** GEOL 150, CHEM 139 **Credits 3**

**GEOL 471 - Tectonics**

History and development of tectonic concepts; geometry and kinematics of plate mosaic; evolution of modern and ancient orogenic belts. 2 Lecture, 2 Lab. **Prerequisites** GEOL 355, GEOL 371; or permission of instructor. Field trips. **Credits 3**

**GEOL 494 - Topics in Geology**

Special course explores a current topic in geology or environmental geology. **Prerequisites** Junior standing or permission of instructor. **Credits 1-4, R8**

**GEOL 495 - Senior Seminar in Geology**

Investigations of problems in geology and environmental geology. Written and oral presentations of student research. **Prerequisites** Senior standing or permission of instructor. **Credits 3**

**GEOL 499 - Senior Thesis**

An original research project culminating in a written thesis and public presentation of results. Projects may last 1 or 2 semesters. Senior standing. 4 Lab. **Prerequisites** Permission of instructor. **Credits 2-4, R6**

**German**

**GER 101 - Beginning German I**

Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German. (P6). **Credits 3**

**GER 102 - Beginning German II**

Students build on their functional proficiency in German as they build on their cultural and real-world knowledge of the German-speaking world. (P6). **Prerequisites** Some competency in German or consultation with instructor. **Credits 3**

**GER 110 - Experiencing German and The German-Speaking World: Accelerated**

Students develop knowledge about the German-speaking world and through that content, acquire basic functional proficiency in German. Three credit hours only are applicable to Liberal
Studies. 4 Lecture, 5 Lab. (P6). Credits 6

**GER 190 - Triumph and Tragedy Reflected in Modern German Film**

Modern German culture and values as seen in film. Credits 3

**GER 231 - Intermediate German I**

Continuation of written and oral German grammar; readings and discussions on German culture and civilization; readings in more specialized areas; lab practice maybe assigned. Prerequisites GER 102 or equivalent or placement for GER 231; GER 231 or equivalent or placement for GER 232. Credits 3

**GER 232 - Intermediate German II**

Continuation of written and oral German grammar; readings and discussions on German culture and civilization; readings in more specialized areas; lab practice maybe assigned. Prerequisites GER 102 or equivalent or placement for GER 231; GER 231 or equivalent or placement for GER 232. Credits 3

**GER 240 - Accelerated Second-Year German**

Continuation of 110; increasing emphasis on reading, writing, and the study of Germanic culture. 4 Lecture, 5 Lab. Prerequisites GER 110 or permission of instructor. Credits 6

**GER 301 - German for Everyday Use**

Emphasis on communicating in realistic situations in everyday, practical German. Prerequisites GER 232 or GER 240 or equivalent, or placement, or permission of department head. Credits 3

**GER 304 - Introduction to Business German Culture**

The development of students' communicative competence while learning about the culture and language surrounding business German. Prerequisites GER 301. Credits 3

**GER 310 - Introduction to German Prose and Poetry**

Introduction to German literary texts; reading and analysis of literary works. Prerequisites GER 232 or GER 240. Credits 3

**GER 321 - German Civilization**

Geographical, political, cultural, and historical aspects of Germany. Prerequisites GER 232 or GER 240. Credits 3

**GER 331 - Survey of German Literature**

Major literary movements, authors, and works since the twelfth century. Prerequisites GER 232 or GER 240. Credits 3

**GER 401 - Contrastive Features of German and English**

Study of similarities and differences of the two languages regarding phonology, morphology and syntax, and issues concerning L2 acquisition. Prerequisites GER 232 or
GER 240. GER 301 or permission of department head. **Corequisites** GER 301 or permission of department head. **Credits** 3

**GER 431 - Studies in German Literature**

Intensive study of an author or authors, genre, literary movement, school, or literary period. **Prerequisites** GER 232 or GER 240. GER 301 or permission of department head. **Corequisites** GER 301 or permission of department head. **Credits** 3, R6

**GER 451 - Advanced German Grammar**

Comprehensive study of the more difficult grammatical forms and usages. **Prerequisites** GER 232 or GER 240. GER 301 or permission of department head. **Corequisites** GER 301 or permission of department head. **Credits** 3

**GER 452 - Advanced German Conversation**

Discussion of selected topics; oral reports on assigned reading; situational dialogues emphasizing practical, everyday German. **Prerequisites** GER 232 or GER 240. GER 301 or permission of department head. **Corequisites** GER 301 or permission of department head. **Credits** 3

**GER 481 - Independent Studies in German**

Independent Studies in German **Prerequisites** GER 232 or GER 240. GER 301 or permission of department head. **Corequisites** GER 301 or permission of department head. **Credits** 1-3, R6

**GER 493 - Special Topics in German**

Special Topics in German. **Prerequisites** GER 232 or GER 240. **Credits** 1-6, R6

**Health and PE**

**HEAL 111 - Stress Management for Health and Wellness**

An overview of the physiology of stress, including stress management techniques that improve health and wellness, and an integrated physical activity component. (C4). **Credits** 3

**HEAL 120 - Personal and Community Health**

Philosophy, knowledge, practices of health; coping with problems of living. **Credits** 2

**HEAL 123 - Health and Wellness**

Foundations in health/wellness. Provides students opportunities to improve wellness related skills and knowledge. Includes physical activities that integrate physical fitness into lifelong wellness. (C4). **Credits** 3

**HEAL 250 - First Aid and Safety Education**

Prevention and care of accidents and injuries, including American Red Cross training courses. **Credits** 2
HPE 212 - Foundations of Health and Physical Education

The basic physiological, psychological, and sociological principles and historical foundations. **Credits 2**

HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics

The study of the structure, function and physiology of the human body as related to physical activity, exercise, and sports. **Credits 4**

HPE 225 - Applied Kinesiology II

The study of the acute and chronic effects of exercise on the human body. **Prerequisites** HPE 223 or BIOL 291 **Credits 4**

HPE 235 - Motor Behavior

Motor learning, development and control theories and applications. **Credits 3**

HPE 240 - Care and Prevention of Athletic Injuries

Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics. **Credits 3**

HPE 253 - Sport Education

Methods and teaching a Sport Education curricular model for team sports. **Prerequisites** HPE majors only. **Credits 3**

HPE 255 - Mental and Emotional Health for Teachers and Their Students

Strategies to properly and effectively manage emotional health and stress for K-12 teachers and their students. **Credits 3**

HPE 256 - Physical Education Pedagogy

Foundational pedagogy course designed to develop knowledge of effective instruction in physical education. **Credits 3**

HPE 305 - Adventure-Based Learning

Adventure-based learning and wilderness leadership. Use of games, initiatives, trust, and challenge/peak experiences in educational settings. **Credits 3**

HPE 311 - Evaluation & Assessment in Health & Physical Education

Assessment in K-12 health and physical education, including tests of fitness, skill, and motor performance, measuring the cognitive and affective domains, and grading procedures. **Credits 3**

HPE 312 - Health Education Pedagogy

Comprehensive health education including a philosophy and strategies for teaching comprehensive health education, and study of selected topics related to personal and community health problems. **Credits 3**

HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12

Pedagogy course concerning high risky behaviors in the K-12 population.
Provides strategies for the instruction of risky behavior prevention. **Credits 3**

**HPE 343 - Classroom Management for Health & Physical Education**

Provides students with the opportunity to learn the characteristics of and the strategies for successful classroom management in the health and physical education setting. **Credits 3**

**HPE 345 - Children's Movement**

Developmental approach to physical education for children. Curriculum implementation in field-based settings required. **Prerequisites** HPE 256. **Credits 3**

**HPE 346 - Educational Dance and Gymnastics**

A competency based course of methods and materials in rhythmical dance and gymnastics. **Prerequisites** HPE 256. **Corequisites** HPE 345. **Credits 2**

**HPE 350 - Current Health Problems**

Incidence, diagnosis, treatment, rehabilitation, and prevention of leading community health problems; addictions; individual, family, and community effects; positive mental health as a deterrent. **Credits 3**

**HPE 354 - Lifetime Sport & Physical Activity I**

Methods, materials, and skills used in teaching sports: badminton, tennis, and pickle-ball. **Credits 2**

**HPE 355 - Fitness Concepts**

This course is designed as practical application of fitness, wellness, and conditioning concepts. The student will be actively engaged in planning program design for others. **Credits 3**

**HPE 358 - Healthy Living Concepts**

Pedagogy course designed to enable students to implement the healthful living standards emphasizing nutrition and physical activity concepts to reduce and prevent obesity. **Credits 3**

**HPE 360 - Sexual Health Throughout the Lifespan**

(Formerly HEAL 360) Factual information of sexual anatomy and functioning; concepts of sexually transmitted diseases and AIDS; and how decisions, behaviors, and lifestyles may affect our health. **Credits 3**

**HPE 364 - Lifetime Sport & Physical Activity II**

Methods, materials, and skills used in teaching sports: swimming, disc golf and golf. **Credits 2**

**HPE 365 - Physical Activity and Aging**

This course will provide students with an understanding of the role physical activity plays in increasing health, wellness, and decreased disability as a person ages. **Credits 3**

**HPE 375 - Psychological Aspects of Physical Activity**

The psychological and sociological aspects of physical activity as they
relate to individuals, cultural values, and societal institutions. **Credits 3**

**HPE 420 - Exercise Prescription and Testing**

The purpose of this course is to provide students with theoretical and practical knowledge of the techniques used in exercise testing and prescription for various populations, both healthy and unhealthy. **Credits 3**

**HPE 424 - Adapted Movement & Wellness**

Overview of current concepts and trends in adapted physical education. Topics include: legal rights, disabilities, assessment, planning, and physical activities for exceptional children. 3 Lecture, 1 Lab. **Prerequisites** HPE 256 or permission of instructor. **Credits 3**

**HPE 425 - Health and Physical Education Curriculum Development**

Class management, teaching methods, and program content for grades K-12. **Prerequisites** Must be admitted to the professional education sequence. **Corequisites** HPE 488. **Credits 3**

**HPE 488 - Physical Education Internship I:6-12**

A part-time internship in 6-12 health and physical education. **Prerequisites** Must be admitted to the professional education sequence. **Corequisites** HPE 425. **Credits 3**

**HPE 489 - Health & Physical Education Internship II:K-8**

A 15-week internship in physical education instruction. **Prerequisites** Must be admitted to the professional education sequence. **Corequisites** HPE 496. **Credits 9**

**HPE 496 - The Healthful Living Teacher as Leader**

Concepts of curriculum, instructional and professional leadership are examined. **Prerequisites** Must be admitted to the professional education sequence. **Corequisites** HPE 489. Subscription to TaskStream © required. **Credits 3**

**Health Information Administration**

**HIA 310 - Introduction to Health Information Administration**

Orientation to the healthcare environment; health information management profession and its history, ethics, and duties; overview of the basic departmental functions for a paper-based patient record. **Prerequisites** Admission to HIA program or permission of HIA program director. **Credits 2**

**HIA 312 - Coding and Classification Systems**

Theory and application of principles and conventions for inpatient and outpatient coding systems, including abstracting, code assignment, sequencing, NCCI, and computer applications. 3 Lecture, 2 Lab. **Prerequisites** HPE 256. **Corequisites** HIA 314. **Credits 4**
HIA 313 - Health Care Statistics and Registries

Computation of routine healthcare statistics; the United States vital statistics system; registries; and, presentation and interpretation of healthcare data. Prerequisites HIA 310. Credits 3

HIA 314 - Health Data Systems

Study of creation/uses of patient data across healthcare, including: content, format, analyses, control, numbering/filing systems, storage, retention, accreditation, certification, licensure standards, and regulations. Prerequisites HIA 310. Credits 3

HIA 322 - Inpatient Coding

Basic ICD coding for inpatients; NCCI, and coding for prospective payment. Corequisites HIA 326. Credits 3

HIA 324 - Outpatient Coding

Basic CPT and HCPCS coding for outpatients; coding for prospective payment. Corequisites HIA 322. Credits 3

HIA 326 - Principles of Disease

Study of the diagnosis, management, and documentation of common diseases with emphasis on etiology, signs and symptoms, complications, and current pharmacological and surgical therapies. Prerequisites BIOL 291, BIOL 292, and HSCC 220. Credits 4

HIA 387 - Professional Practice Experience I

Mentored experiential, integrative, and reflective activities that apply health information theory and knowledge. Emphasizes self-appraisal, introducing professional behaviors and expectations; oral communication; and business etiquette. Corequisites HIA 310. Credits 1

HIA 388 - Professional Practice Experience II

Mentored experiential, integrative, and reflective activities that apply health information theory and knowledge. Emphasizes professional behaviors, rights, and responsibilities; writing; and information literacy and technology. Prerequisites HIA 387. Credits 1

HIA 412 - Health Care Reimbursement

Principles of professional and facility reimbursement, including: common inpatient and outpatient payment systems, current regulations, casemix analysis, chargemaster, compliance, claims auditing, utilization and case management. Prerequisites HIA 324. Credits 3

HIA 418 - Organization Administration

HIA roles in healthcare organizations, including: strategic planning and decision support; project management; cost-benefit analysis, performance improvement, facilitation of work teams, human resources, and change. Prerequisites HSCC 311. Credits 3
HIA 420 - Health Care Informatics

Analysis, design, and implementation of clinical and administrative automated data systems, including: technologies; standards, protocols, regulations, and security requirements. Study of the electronic health record. 
Prerequisites HIA 418  
Credits 3

HIA 480 - Independent Study in Health Information Administration

Independent Study in Health Information Administration  
Prerequisites  
Permission of HIA program director and instructor.  
Credits 1-3, R6

HIA 483 - Professional Practice Experience I

Supervised professional practice in an acute-care facility, focusing on health information processes.  
Prerequisites  
All preceding HIA courses.  
Credits 2

HIA 484 - Professional Practice Experience II

Supervised professional practice in non-acute care facilities and other healthcare related organizations.  
Prerequisites HIA 420, HIA 483  
Credits 1

HIA 485 - Professional Practice Experience III

Supervised professional practical application in an acute-care facility, focusing on administrative and supervisory functions.  
Prerequisites HIA 420, HIA 483  
Corequisites HIA 418  
Credits 3

HIA 487 - Professional Practice Experience III

Mentored experiential, integrative, and reflective activities that apply health information theory and knowledge. Emphasizes demonstrating professional behaviors, exploration of HIM roles; introduction to life-long learning.  
Prerequisites HIA 388  
Credits 1

HIA 488 - Professional Practice Experience IV

Observation and application of administrative and management skills in the health care work environment under the supervision of an experienced HIM professional.  
Corequisites HIA 495  
Credits 4

HIA 495 - Seminar in Health Information Administration

Transition to the professional role, including: discussion of issues and trends; professional ethics, rights, and responsibilities; strategies for the credentialing exam and career management.  
Prerequisites HIA 487  
Credits 3

Health Sciences

HSCC 101 - Nutrition, Fitness, and Wellness

Dimensions of human wellness with an emphasis on physical health. Application of skills will be encouraged, and self-responsibility will be highlighted. 1 hour supervised physical activity every other week.  
(C4)  
Credits 3
HSCC 191 - Does Inequality Make You Sick?

A study of genetic, environmental, social, and economic influences as determinants of health, introducing an approach to problem solving using scientific, ethical, and social data. Credits 3

HSCC 192 - Introduction to Health Professions

Exploration of health professions, the health sciences, and the preparation, values, and perspectives of health professionals; roles and responsibilities of members of the health care team. Credits 3

HSCC 205 - Women's Health

Discussion of significant contemporary health issues that impact women around the world and across the lifespan. (P6). Credits 3

HSCC 231 - Introduction to Health Promotion/Disease Prevention for Preschool Children

An introduction to child growth and development, nutrition, and health promotion, primarily with Head Start-eligible children and their families. 2 Lecture, 2 Lab. Credits 3

HSCC 232 - Strategies for Health Promotion/Health Maintenance with Preschool Children

Emphasis on acquisition and development of skills in history taking, screening activities, and planning and participating in the health care of Head Start-eligible children. 2 Lecture, 2 Lab. Prerequisites HSCC 231. Credits 3

HSCC 233 - Practicum: Health Promotion and Disease Prevention in Preschool Programs

Emphasis on application and refinement in a field setting of knowledge and skills previously learned in HSCC 231 and 232. 9 Lab. Credits 3

HSCC 307 - Evaluating Health Claims: Fact or Quack

Examination of health information focusing on social norms, cultural influences, and behavioral characteristics used to target consumers of health care, fitness, diet, and nutritional products. (P1). Credits 3

HSCC 311 - Systems and Trends in Health Care Delivery

Overview of theories and principles concerning health, disease, and the delivery system. Examination of emerging trends and issues and their relationship to the delivery system. Prerequisites Health sciences major or permission of instructor. Credits 3

HSCC 318 - Department Administration

Principles of supervision and administration as applied in health care departments. Emphasis on communication and problem-solving related to planning, organizing, directing, controlling, and budgeting. Credits 3
HSCC 320 - Human Resource Management in Health Care Agencies

Selected knowledge and skills related to recruiting, interviewing, selecting, training, and evaluating human resources in healthcare agencies. **Credits 3**

HSCC 322 - Medical Terminology

The meaning, construction, and use of terms in the medical and health sciences; standard medical abbreviations. **Credits 3**

HSCC 330 - Legal and Legislative Aspects of Health Care

The legal aspects of healthcare and legislative forces affecting it; impact on practitioners. **Credits 3**

HSCC 389 - Cooperative Education in Health Sciences

See Cooperative Education Program. **Credits 1 or 3, R15**

HSCC 420 - Cultural Diversity for Health Care Practitioners

Discussion of cultural diversity and the unique challenges they afford health care practitioners in their quest for providing culturally competent care with improved health outcomes. (P6). **Credits 3**

HSCC 440 - Quality Management in Health Care Agencies

Quality management terminology, methodology, principles, and selected case studies utilized in healthcare agencies as a vehicle for organizational research. Introduction of managed care. **Prerequisites** Health sciences major or permission of instructor. **Credits 3**

HSCC 450 - Financial Management in Health Care

Selected knowledge and skills related to budgeting and the financial management of clinical departments and service units. **Credits 3**

HSCC 470 - Research Methods in Health Science

Overview of methodology and analysis for inquiry in health sciences, designed to prepare health sciences majors for assessing and conducting research. **Credits 3**

HSCC 471 - Research Project

Completion of a research study where the student works independently under the direction of a faculty adviser, within their discipline, in conducting and documenting research. **Prerequisites** HSCC 470. **Credits 1-3, R2**

HSCC 493 - Special Topics

Special Topics. **Credits 1-3**

History

HIST 107 - World Cultures in Historical Perspective

Comparison of Western culture and non-Western cultures; historical developments and their impact on the modern world. (P3). **Credits 3**
HIST 131 - North American History to 1865
Survey of the North American/American past from its Old and New World origins to the end of the Civil War. (P3). Credits 3

HIST 132 - U.S. History Since 1865
Survey of recent American history from the Reconstruction Period to the present. (P3). Credits 3

HIST 190 - Freshman Seminar
Exploration of various topics in American, European, and Third World history using the seminar method. Credits 3

HIST 210 - African History to 1880
Explores African history to 1880, including cultural development, ethnicities, the slave trade, and colonialism. (P3). Credits 3

HIST 211 - African History Since 1880
Explores the history of modern Africa, including 20th century colonialism, post-colonialism, social, economic, and political developments, and African culture. Credits 3

HIST 212 - Latin American History I
Indian civilizations; Spanish and Portuguese exploration; the conquistadores; colonial life; consolidation and maturity of empire; influence of the Enlightenment. (P3). Credits 3

HIST 213 - Latin American History II
Revolutions; independence; struggle for political stability; popular government on trial; contests of hegemony; rise of indigenous nationalism. (P3). Credits 3

HIST 220 - Ancient Empires: 3000BCE-CE300
A broad interdisciplinary historical survey of ancient civilizations, including Mesopotamia, Egypt, Greece, and early Rome (3000BCE-300CE). (P3). Credits 3

HIST 221 - The Birth of Europe: 312-1517
A broad survey of European history from Constantine to Martin Luther (ca. CE 300 - 1500). (P3). Credits 3

HIST 222 - European History Since 1517
Social, cultural, economic, and political developments that shaped European civilization since the Reformation. (P3). Credits 3

HIST 233 - U.S. Legal History
Survey of law and legal culture in the United States from the Constitution to the present. (P3). Credits 3

HIST 234 - Immigration and Ethnicity in U.S. History
Surveys the immigrant experience in the United States-and U.S. experience with immigration-from the country's founding to the present. (P3). Credits 3
HIST 235 - The History of American Sports

Interaction between sports and American social, economic, and political history. (P3). Credits 3

HIST 236 - Native American Lives

Introduction to Native American history and cultures. (P3). Credits 3

HIST 237 - African American History

Role of African Americans in American history; African background; religious, cultural, economic, and political institutions; segregation, civil rights, citizenship, black nationalism, cultural politics, liberation and freedom. (P3). Credits 3

HIST 238 - History of American Pop Culture: Music, Movies, and Media

Studies of significant social, economic and cultural transformations in United States through popular music, performances, and media; Important developments in technology, social life, and culture. (P3). Credits 3

HIST 250 - Urban History: Cities and Suburbs in the United States

Explores the social, cultural, and political history of cities and suburbs in the United States. (P3). Credits 3

HIST 271 - Religion in America

An introduction to religion in the United States, with an emphasis on the rich diversity of religious practice and religious texts in the nation. (P4). Credits 3

HIST 281 - Transformations in European Religious History

An examination of religious texts and history in European culture. (P4). Credits 3

HIST 297 - Sophomore Seminar

Historical methods, historiography, and directed research. Credits 3

HIST 301 - Modern Chinese History: From the Middle Kingdom to the People's Republic

Social, cultural, and political history from the last Chinese dynasty to contemporary China. Closed to students 0-29 hours. Credits 3

HIST 302 - India in the Modern World

Social, cultural, and political history of India from the Mughal empire to contemporary times. Closed to students 0-29 hours. Credits 3

HIST 303 - The African Diaspora

This course is about the dispersal and experience of people of African descent from around the world from the earliest time to the present. Closed to freshmen 0-29 hours. (P3). Credits 3

HIST 306 - Inter-American History

Examines the political, economic, social, and cultural interplay of U.S., Central, and South America since the mid-19th century. Credits 3

HIST 308 - Explorations in Regional History
Examinations of select regions and the groups which influenced their historical evolution. Closed to freshmen 0-29 hours. (P3).

HIST 310 - Teaching World History

Methods, content and assessment for the North Carolina secondary core requirements in World History. Prerequisites HIST 395; Admission to Teacher Education. Corequisites HIST 405. Credits 3

HIST 311 - Ancient Greece and Rome

Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity. Closed to freshmen 0-29 hours. (P3).

HIST 312 - The Early Middle Ages

An interdisciplinary survey of European history and material culture from the end of Rome through the Viking Age (CE 500 - 1000).

HIST 313 - Medieval Europe

A survey of medieval western European history from the Viking Age through the Black Death (ca. CE 1000 - 1400).

HIST 314 - Early Modern Europe

Social, political, and economic interactions between Christians, Muslims, and Jews, 1250-1650. Closed to students 0-29 hours.

HIST 315 - Renaissance and Reformation

Humanism; Renaissance politics; Protestant Reformation and Catholic Reform; Wars of Religion. Closed to freshmen 0-29 hours. (P3).

HIST 317 - History of Twentieth-Century International Relations

Paris Peace Conference and aftermath; failure of League of Nations; World War II and the Cold War; emergence of the Third World; the Common Market. Closed to freshmen 0-29 hours. (P3).

HIST 330 - Modern Germany

Germany from 1815 to the present, with emphasis on development in the nineteenth and twentieth centuries in terms of political evolution and international situation. Closed to freshmen 0-29 hours.

HIST 331 - Colonial America, 1492-1763

Political, social, economic, and cultural characteristics. Closed to freshmen 0-29 hours.

HIST 332 - The Revolutionary Era, 1763-1800

Causes and effects of the revolution; the War for Independence; the Constitution; the Federalist Era. Closed to freshmen 0-29 hours.

HIST 334 - Civil War and Reconstruction, 1848-1877
Sectional differences; the secession movement; role of slaves; Emancipation; military operations; Reconstruction. Closed to freshmen 0-29 hours. Credits 3

HIST 335 - History of Capitalism

Rise and spread of capitalism from the ancient world to the present. Closed to freshmen 0-29 hours. (P3). Credits 3

HIST 336 - The U.S. in the Age of Capital

Impact of the growth and conflict of organized industry and labor, agrarian decline and revolt, nationalism, segregation, American Imperialism, progressive reform, and World War I on twentieth century America. Closed to freshmen 0-29 hours. Credits 3

HIST 337 - History of Slavery

The origins, development, and evolution of race and slavery in the Atlantic World, the North American colonies, and the United States. Closed to freshman 0-29 hours. (P3). Credits 3

HIST 338 - Antebellum America

United States history, 1800-1850, including national politics, westward expansion, Native American relations, religious revivalism, slavery. Closed to freshman 0-29 hours. Credits 3

HIST 339 - The Long Civil Rights Movement

Studying the civil rights movement from the 19th century to the present; intersections between race, gender, labor, sexuality, and foreign policy. Closed to students 0-29 hours. Credits 3

HIST 340 - Introduction to Oral History

Explores the uses of oral history, its relationship to other research techniques, the components of interviewing, and the field's numerous ethical, legal, and archival issues. Closed to freshmen 0-29 hours. Credits 3

HIST 341 - North Carolina History

The social, political, economic, and ethnic history of North Carolina from the colonial era to the present. Closed to freshmen 0-29 hours. (P3). Credits 3

HIST 342 - American Diplomatic History

US foreign relations from the colonial period to modern times. Credits 3

HIST 344 - The Reagan Era

Uses the career of Ronald Reagan to examine the social, political, and economic transformation of the United States during the last third of the twentieth century. Closed to students 0-29 hours. Credits 3

HIST 345 - Modern Native America

Native American history from the late nineteenth century to the present; exploration of contemporary issues of sovereignty and self-determination. Closed to students 0-29 hours. Credits 3

HIST 348 - The American West
Explores the history and literature of the trans-Mississippi West from the time of discovery through the present, emphasizing the period since 1800. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 349 - Biography, Memoir, and Autobiography in History**

Methods in crafting historical biographies; studies of memoirs, first person narratives, and autobiographies as historical sources. Closed to students 0-29 hours. **Credits 3**

**HIST 350 - Introduction to Public History**

Explores the history of representations of the past such as memorials and monuments, museum exhibits, and historic sites, and considers the issues confronting historians who work in these settings. Closed to students 0-29 hours. **Credits 3**

**HIST 351 - History of American Education**

This course explores the history of education in America, offering a broad overview of important themes in American schooling from the colonial era to the present. (P3). Closed to freshman 0-29 hours. **Credits 3**

**HIST 365 - History of the Caribbean**

Explores the social, political, economic, and cultural history of the Caribbean region. **Credits 3**

**HIST 366 - History of the Atlantic World**

Explores the rich history of the Atlantic World, examining the historical development and interaction of the New World, Africa, and Europe since the sixteenth century. **Credits 3**

**HIST 373 - Modern Asia**

Exploration of the forces shaping the history of the major nations of Asia. Closed to freshmen 0-29 hours. (P3). **Credits 3**

**HIST 375 - Middle East Since Mohammed**

Introduction to Middle East history from the spread of Islam to the present. Closed to freshmen 0-29 hours. (P3). **Credits 3**

**HIST 389 - Cooperative Education in History**

See Cooperative Education Program. Closed to freshmen 0-29 hours. **Credits 1 or 3, R15**

**HIST 395 - Building a Democratic Classroom**

An introduction into teaching methods in social sciences. Philosophy, methods, pedagogy and materials for democratic education. **Prerequisites** Permission of the Department. **Corequisites** PSC 406. **Credits 3**

**HIST 401 - History of Sexualities in Africa**

Research-based course examining the historical and cultural construction of sex and sexualities in Africa since the precolonial period. The idea of “sexual
change" will be emphasized in order to educate students about how significant epochs such as the trans-Atlantic slave trade, colonial rule, and post-independence trajectories have defined and redefined the sexual components of African history. The clash between "traditional" and "modern"; "natural" and "unnatural"; "normal" and "abnormal"; and "legitimate" and "dissident" etc., sexualities will be explored. Not open to student 0-29 hours. Credits 3

HIST 402 - History of Peace and Conflict in Africa

Research-based course examining peace, religious, political, ethnic, and territorial conflict and nation-building in Africa. Credits 3

HIST 405 - Methods for Teaching Social Sciences

Methods, materials, curriculum, and trends in teaching secondary social sciences. Field experience required. Closed to freshmen 0-29 hours. Prerequisites: HIST 395, PSC 406; admission to teacher education. Corequisites: HIST 310. Credits 3

HIST 406 - Revolutionary Latin America

Examination of revolutions in Latin America since 1900. Credits 3

HIST 411 - Western Imperialism, 1500 to the Present

Western imperialism in Americas, Africa and Asia; World War I and its aftermath; the roots of Third-World independence movements. Closed to freshmen 0-29 hours. Credits 3

HIST 413 - Europe in the Eighteenth Century

The Old Regime; wars of expansion; the Enlightenment; the French Revolution and Napoleon. Closed to freshmen 0-29 hours. Credits 3

HIST 414 - Europe in the Nineteenth Century

Post-Napoleonic settlement; internal, colonial, and imperial developments; unification movements; background for World War I. Closed to freshmen 0-29 hours. Credits (3)

HIST 415 - Early Modern Travel

Research-based course examining travel writing, trade and empire, religious travel; geography and map-making history and ethnography; fictitious travel. Closed to students 0-29 hours. Credits 3

HIST 416 - Europe in the Twentieth Century

World War I; the Paris Peace Conference; domestic developments; the rise of "isms" in Russia, Italy, and Germany; World War II; postwar reconstruction and reorganization; the Cold War. Closed to freshmen 0-29 hours. Credits 3

HIST 417 - Renaissance Republics

Research-based course examining Greco-Roman republican traditions; Renaissance theories of republicanism; republicanism and Christianity;
republics and monarchies. Closed to students 0-29 hours. **Credits 3**

**HIST 421 - Romans, Christians, Barbarians**

Explores the three most prominent cultures of the Mediterranean at the end of the Roman Empire. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 425 - Modern European Military History**

Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 430 - North American Frontiers**

Research-based course that examines the history and significance of North American frontiers, backcountry, and borderlands during colonial, revolutionary, and early national periods. Closed to students 0-29 hours. **Credits 3**

**HIST 433 - The Young Republic, 1800-1848**

Jeffersonian democracy; War of 1812; Era of Good Feelings; Jacksonian democracy; western expansion; the Mexican War. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 437 - 19th Century American Social Reform**

Research-based course that is a thematic examination of social reform movements in nineteenth-century America, such as abolitionism, temperance, women’s rights, sabbatarianism, public education, and body reforms. Closed to students 0-29 hours. **Credits 3**

**HIST 438 - U.S. in the Cold War: A Global Perspective**

Research-based course that examines economic, political, technological, military, and cultural components of Cold War; Global perspectives on U.S. actions and non-US actors. Closed to students 0-29 hrs. **Credits 3**

**HIST 439 - American Gender History**

Research-based course examining topics in studies of gender and sexuality; explorations on how gender varied over time and was a key component of politics, economics, social relations, and culture. Closed to students 0-29 hours. **Credits 3**

**HIST 443 - The American South**

Research-based course examining the social structure and economic interests of the Antebellum South; impact of Civil War and Reconstruction; the New South; the twentieth-century South; emphasis on regional differences and social transition. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 445 - Cherokee History**

Research based course examining pre-contact Cherokee society; acculturation; removal; post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees. Closed to students 0-29 hours. **Credits 3**
HIST 446 - Southern Appalachian History

History and folkways in the period of geographic isolation; changes in regional culture in an age of improved transportation and communications. Closed to freshmen 0-29 hours. Credits 3

HIST 451 - American Women's History

Role of women in American history; conflicting and changing ideologies of femininity and sexuality; women in the family, workplace, and politics. Closed to freshmen 0-29 hours. Credits 3

HIST 453 - Latinos in the U.S.A.: Work, Culture, and Politics

Research-based course that explores the making of America's largest minority group, from the middle of the nineteenth century to the present. Closed to students 0-29 hours. Credits 3

HIST 454 - American Military History

Military affairs in the United States from the Revolution to the present; emphasis on war as a social institution. Closed to freshmen 0-29 hours. Credits 3

HIST 455 - American Religious History

Research based course investigating the impact that religion has had on our nation's history and how religious traditions have been shaped by their encounter with American culture.

HIST 459 - Sizzlin' Sixties

Explores key events and trends that characterized US history during the 1960's. Closed to freshmen 0-29 hours. Credits 3

HIST 460 - Environmental History

A case-study based seminar focusing on key works in American and Global environmental history. Credits 3

HIST 463 - History of the Mexican Nation

Mexico since 1810; nineteenth-century conflicts; revolution, 1910-1917; progress to the present. Closed to freshmen 0-29 hours. Credits 3

HIST 470 - History and Memory in the American South

A research-based course examining historical memory and commemoration in the American South; controversies over public interpretation of the southern past; examination of heritage sites, tourist attractions, and public memorials. Closed to students 0-29 hours. Credits 3

HIST 472 - Local History

A research-based course on the role of individual communities in shaping state, regional, and national developments; in-migrations, out-migrations, cultural migrations; emphasis on research techniques and local resources. Research and
fieldwork. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 473 - Museum Studies**

A research-based course that examines the history of museums in the United States, theories and practices of exhibit development and audience evaluation, and the issues confronting historians who work in museums. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 475 - History and Genealogy**

A seminar on the history, theory, and practice of genealogy with particular emphasis on the role of family history as public history. Closed to students 0-29 hours. **Credits 3**

**HIST 476 - Studies in Historic Preservation**

A research-based course that examines the history and theory of preservation, the role of the state, local and federal governments in shaping preservation activities and policies, and the issues confronting historians who work in the field. Closed to students 0-29 hours. **Credits 3**

**HIST 483 - Public/Applied History Capstone Internship**

Career exploration through internships in public and applied history; Strategies to help history majors apply skills and knowledge in professional settings. **Prerequisites** HIST 350. **Credits 3**

**HIST 484 - Internship Project in History**

Work experience on historical problems; written assignments required. S/U grading. Nine hours per week per course. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 485 - Internship Project in History**

Work experience on historical problems; written assignments required. S/U grading. Nine hours per week per course. Closed to freshmen 0-29 hours. **Credits 3**

**HIST 491 - Supervised Student Teaching in Social Sciences, 9-12**

A full-time supervised teaching experience in Social Sciences. Closed to freshmen 0-29 hours. **Corequisites** EDSE 485, EDSE 495. **Credits 3**

**HIST 493 - Topics in History**

Closed to freshmen 0-29 hours. **Credits 1-3, R12**

**HIST 499 - Senior Thesis**

Directed research for history majors. **Prerequisites** HIST 297; 3.2 GPA in History courses; permission of department head. **Credits 3**

**Hospitality and Tourism**

**HT 130 - The Hospitality and Tourism Services Industry**

Survey of industry segments including tourism, restaurants, hotels, clubs, conventions, casinos, and cruise line operations with emphasis on career opportunities. **Credits 3**
HT 229 - Hotel Front Office Operations

Study of front office procedures from reservations through checkout including night audit and property management systems and their impact on other lodging operations. Credits 3

HT 231 - Hospitality Facilities Management

Management of facility operations including planning and design, facility systems, housekeeping, environmental, safety and security issues, and resource management. Credits 3

HT 232 - Quality Service

Practical skills and knowledge for effective management of food service operations with emphasis on time management, food service protocol, interactions with guests, guest expectations, and decor. Credits 3

HT 233 - Quantity Foods

Through demonstration, lecture and laboratory experience, participants develop skills in food preparation, recipe usage, commercial food costing and production control. 2 Lecture, 2 Lab. Credits 3

HT 238 - Travel & Tourism

An examination of tourism from a social science perspective using a cross-disciplinary approach. Emphasis on global factors and the impact of tourism on various societies. Credits 3

HT 239 - Cost Control in the Hospitality and Tourism Industry

Theories and techniques of controlling costs of food and beverage, and labor cost in hotels and restaurants; analysis and evaluation of financial performance of the settings. Prerequisites ACCT 161 or 251. Credits 3

HT 241 - Special Events and Festival Management

This course will introduce students to special events and festival management. Examination of techniques and methods used to plan, organize, promote, and manage special events and festivals. Credits 3

HT 293 - Topics

Topics. Credits 1-3, R12

HT 334 - Restaurant Management

Functions of management as applied to commercial food service systems. Emphasis on menu development, procurement, production and service. Credits 3

HT 335 - Lodging and Resort Management

Study of hotels, resorts, timeshares, condominiums, and other lodging facilities. Emphasis on organizational structure, divisional operations, and management responsibilities. Credits 3

HT 336 - Club Management

Organization, administration, and operation of the private club industry with emphasis on club manager responsibilities and the unique sensitivities that contribute to member satisfaction. Credits 3
HT 337 - Meeting, Convention, and Event Planning

Scope and segmentation of meetings, conventions, and special events, including marketing, sales strategies, negotiations, contracts, and techniques used to meet market needs. **Credits 3**

HT 389 - Cooperative Education

See Cooperative Education Program. **Credits 1-3, R15**

HT 431 - Hospitality and Tourism Marketing

A service management approach to the study of hospitality and tourism. Marketing is viewed as an activity that pervades all hospitality decisions and actions. **Credits 3**

HT 432 - Hospitality Supervision

Principles and practices of supervision as they apply specifically to meeting the unique labor and service challenges of the hospitality industry. Includes CPR certification. Senior Standing (a minimum of 90 hours) is required for HT 432. **Credits 3**

HT 434 - Advanced Club Management

In-depth study of the club manager's leadership role and responsibilities in operating a successful private club. **Prerequisites HT 336. Credits 3**

HT 436 - Tourism Planning and Development

A comprehensive integrated approach to the issues associated with tourism planning, policy making, and development. Case studies will be utilized. **Credits 3**

HT 437 - Bar and Beverage Operations

Principles and practices of the production, selection, purchasing, storage, and service of beverage alcohol. Emphasis on legal and social responsibility issues. (Minimum age 21). **Credits 3**

HT 438 - Strategic Management in the Hospitality and Tourism Industry

Personal and career development, ethics and the integration of knowledge with related fields. A senior project will be required. **Prerequisites HT 130, HT 335. Credits 3**

HT 465 - International Studies in Hospitality & Tourism

Exploration of the international hospitality and tourism industry through research and on-site examination. **Credits 6**

HT 477 - Casino Management

History, development and management of casinos and gaming. Investigates the economics, moral and cultural issues of gaming. Field trip required. Enrolled students must be at least 21 years old. **Prerequisites Permission of instructor. Credits 3**

HT 480 - Independent Study

Independent Study **Credits 1-3, R6**

HT 483 - Internship
Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites** Permission of instructor. **Credits** 3

**HT 484 - Internship**

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites** Permission of instructor. **Credits** 3

**HT 485 - Internship**

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. **Prerequisites** Permission of instructor. **Credits** 3

**HT 493 - Topics**

Topics **Credits** 1-12

**Industrial Distribution**

**ID 230 - Industrial Distribution**

The flow of industrial goods and services through the industrial distributor. **Credits** 3

**ID 360 - Industrial Distribution Organization**

Survey of organizational structure in manufacturing industries. **Credits** 3

**ID 370 - Product Management and Inventory Control**

The study of the many aspects of industrial distribution product management. Topics to be covered may include computer systems and their uses, purchasing, and warehouse management. **Prerequisites** ID 230 or permission of instructor. **Credits** 3

**ID 389 - Cooperative Education in Industrial Distribution**

See Cooperative Education Program. **Credits** 1 or 3, R15

**ID 440 - Information Management and Technology in Industrial Distribution**

Using information technology to provide distributors a strategic advantage over their competitors by facilitating problem solving, increasing productivity and quality, improving customer service, and enabling change. **Credits** 3

**ID 479 - Industrial Distribution Seminar**

Covers through research, lecture and field trips, electronic data interchange; just-in-time distribution; distribution finance; bar coding; take-offs and quotes from catalogs and specifications; other innovative concepts. **Prerequisites** ID 230, 360 or permission of instructor. **Credits** 3

**ID 480 - Problems in Industrial Distribution**

Independent study of problems in industrial distribution; project required. **Prerequisites** Industrial distribution major and permission of instructor. **Credits** 1-3

**ID 493 - Special Topics**
Special Topics. **Prerequisites** Industrial distribution major and permission of instructor. **Credits** 1-3, R6

**Interior Design**

**IDES 250 - Introduction to Interior Design**

The study of design as applied to creative problem solving within the interior environment. (P5). **Credits** 3

**IDES 251 - Architectural Drafting and Design**

Architectural drafting techniques for communicating working drawings using plans, elevations, details, architectural standards, lettering, and paraline drawings. 6 Studio. **Credits** 3

**IDES 252 - Survey of Interior Materials**

This course further explores the interior materials used in interior design and construction. **Prerequisites** IDES 251-Architectural Drafting and Design. **Credits** 3

**IDES 254 - Rapid Visualization**

Tools, techniques and technology for creative visual design exploration. **Corequisites** IDES 250, IDES 251. **Credits** 3

**IDES 255 - Space Planning**

Introduction to space planning for residential and commercial environments. Topics explored include zoning, furniture placement, circulation, and accessibility. 6

Studio. **Prerequisites** IDES 250 and IDES 251. **Credits** 3

**IDES 256 - Perspective Drawing**

Visualization of space through various perspective views to illustrate a design concept using rendering drawing techniques. 6 Studio. **Prerequisites** IDES 250, IDES 251, and ART 132. **Credits** 3

**IDES 257 - Architectural Construction Process**

Principles of building materials, construction techniques, and building codes. **Corequisites** IDES 251. **Credits** 3

**IDES 258 - CADD for Interior Design**

The advanced application of computer-aided drafting as a design tool for the interior designers. **Prerequisites** IDES 251. **Credits** 3

**IDES 350 - History of Furniture and Design I**

Survey of art, architecture, and furniture from ancient time to the nineteenth century. **Credits** 3

**IDES 351 - Lighting Design**

Lighting design in residential and commercial spaces and the vital impact it plays on interiors. 6 Studio. **Prerequisites** IDES 255. **Credits** 3

**IDES 352 - Residential Design I**

The application of the design process to the development of small scale
residential environments. 6 Studio.\textbf{Prerequisites} IDES 252, 255, 256, 257.\textbf{Credits} 3

\textbf{IDES 353} - Detailing and Design

Casework, furniture, and architectural detailing and design.\textbf{Prerequisites} Permission of instructor.\textbf{Credits} 3

\textbf{IDES 355} - History of Furniture and Design II

Development of art, architecture, and furniture from nineteenth century to the present.\textbf{Credits} 3

\textbf{IDES 356} - Contract Design I

The application of the design process to the development of small scale commercial environments. 6 Studio.\textbf{Prerequisites} IDES 351, 352.\textbf{Credits} 3

\textbf{IDES 357} - Kitchen and Bath Design I

Utilizing the standards established by The National Kitchen and Bath Association, students learn how to properly design and document safe and functional kitchen and bath environments. 6 Studio.\textbf{Prerequisites} IDES 351, 352.\textbf{Credits} 3

\textbf{IDES 389} - Cooperative Education in Interior Design

See Cooperative Education Program.\textbf{Prerequisites} Permission of program director.\textbf{Credits} 1 or 3, R15

\textbf{IDES 450} - Residential Design II

Design of medium to large scale residential environments, which may include historical and/or cultural aspects. 6 Studio.\textbf{Prerequisites} IDES 352, IDES 357, and IDES 350/ or IDES 355/ or ART History.\textbf{Credits} 3

\textbf{IDES 451} - Kitchen and Bath Design II

The further development of skills utilized in solving cabinetry related design applications. 6 Studio.\textbf{Prerequisites} IDES 357, 358.\textbf{Credits} 3

\textbf{IDES 452} - Senior Research

Supervised research directed toward a topic selected in consultation with the instructor.\textbf{Prerequisites} IDES 356, 357, 358.\textbf{Credits} 3

\textbf{IDES 455} - Contract Design II

Design of medium to large scale commercial environments, which may include historical and/or cultural aspects. 6 Studio.\textbf{Prerequisites} IDES 356, 358.\textbf{Credits} 3

\textbf{IDES 456} - Professional Practice in Interior Design

Methods of organizing and marketing design services, the use of business forms and contracts, and how to prepare for the job market.\textbf{Prerequisites} IDES 450, 451.\textbf{Credits} 3

\textbf{IDES 457} - Senior Capstone

Application of advanced design research, theory and concepts in a specific interior design project as
determined by student and instructor. **Credits** 3

**IDES 460 - Problem Solving in Design**

Creative problem solving provides an opportunity to apply advanced design concepts and/or theories in a specific area of study. 6 Studio. **Prerequisites** Permission of instructor. **Credits** 3

**IDES 465 - Travel Studies in Interior Design**

This course is structured to immerse students in design settings and the cultural heritage of an international or domestic travel destination. **Prerequisites** Permission of instructor. **Credits** 3, R6

**IDES 480 - Independent Study in Interior Design**

Independent Study in Interior Design. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**IDES 483 - Internship**

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. **Prerequisites** Permission of program director. **Credits** 3

**IDES 484 - Internship**

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. **Prerequisites** Permission of program director. **Credits** 3

**IDES 485 - Internship**

Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. **Prerequisites** Permission of program director. **Credits** 3

**International Studies**

**INST 200 - Introduction to International Studies**

This class provides students with an introduction to the ins and outs of WCU’s International Studies (INST) major. At its core, the discipline of International Studies teaches students to think across perspectives, to make connections between local and global events, and to become more active global citizens. During the course of the semester, students will become familiar with the requirements of the major, and they will discover the various internship, study abroad, and career opportunities available in the field of international studies. Additionally, the class will spend several weeks studying a specific international topic (war/conflict, water scarcity, trade and development, human rights, etc.) from the various perspectives within international studies. This diverse analytical approach will allow students to engage with and experience the interdisciplinary nature that forms the foundation of Western’s INST major. **Credits** 3
INST 400 - International Studies Capstone

This capstone class serves as a culminating experience for students completing the BA degree in International Studies. The heart of the course is built around a research project, in which students identify an unrelenting global problem falling within their concentration, research that problem from an interdisciplinary perspective, and then devise a realistic solution to alleviate the issue. Prerequisites Must be declared as an International Studies major. Junior / Senior status required.Credits 3

INST 480 - Independent Study

This course allows students the opportunity to independently develop, pursue, and engage in research related to their international studies major. Prerequisites INST 200 and Junior or Senior StatusCredits 3

INST 483 - Internship in International Studies

The three-credit International Studies internship provides an opportunity for INST students to gain applied experience, expand their professional networks, and explore their career options by pairing their classroom education with practical job experience. Students can intern in a variety of contexts, including government, corporate, or non-profit organizations. Additionally, each internship is expected to include a global component - for example, work duties might relate to matters of public health, peace and intercultural understanding, security, education, advocacy, economic development, or human rights. Credits 3

INST 493 - Topics in International Studies

This special topics course will allow students to explore a subject beyond the standard international studies curriculum. Prerequisites INST 200 and Junior or Senior Status Credits 3

Japanese

JPN 101 - Beginning Japanese I

Introduction to the study of Japanese language and culture. Emphasis on speaking. (P6). Credits 3

JPN 102 - Beginning Japanese II

Continued study of Japanese language and culture. Emphasis on speaking. (P6). Prerequisites JPN 101 or equivalent. Credits 3

JPN 190 - First Year Seminar: An Introduction to Japanese Popular Culture

Selected topics of Japanese popular culture, with a focus on martial arts, cuisine, and animation. Credits 3

JPN 231 - Intermediate Japanese I

Continued study of Japanese language and culture, with emphasis on oral development. Prerequisites JPN 102 or equivalent. Credits 3

JPN 232 - Intermediate Japanese II
Continued study of Japanese language and culture with emphasis on oral development. **Prerequisites** JPN 231 or equivalent. **Credits** 3

**JPN 301 - Third Year Japanese I**

Continued study of Japanese language (composition) and culture. **Prerequisites** JPN 232 or permission of instructor. **Credits** 3

**JPN 302 - Third Year Japanese II**

Continued study of Japanese language and culture. **Prerequisites** JPN 232 or permission of instructor. **Credits** 3

**JPN 305 - Introduction to Japanese Literature in Translation**

Overview of Japanese literature in translation. **Credits** 3

**JPN 306 - Anime, Manga and Japan**

Exploration of anime and manga to take a deeper look in Japanese language, culture, people, society and its current issues. **Credits** 3

**JPN 307 - Japanese Language in Cinema**

Exploration of the use of Japanese language, and its social/cultural contexts, in film (classic to contemporary). **Credits** 3

**JPN 393 - Special Topics in Japanese**

Special Topics in Japanese. **Prerequisites** Permission of instructor. **Credits** 3, R12

**JPN 451 - Advanced Japanese Grammar**

Continued study of Japanese language and culture. **Prerequisites** JPN 301 or permission of instructor. **Credits** 3

**JPN 452 - Advanced Japanese Conversation**

Continued study of Japanese language (conversational) and culture. **Prerequisites** JPN 302 or permission of instructor. **Credits** 3

**JPN 493 - Special Topics in Japanese**

Special topics in Japanese. For summer travel courses and study abroad courses only. **Prerequisites** Permission of Instructor. **Credits** 3, R12

**Leadership**

**LEAD 140 - Freshman Leadership Initiative I**

Students will be introduced to a theoretical framework for understanding leadership and followership, while participating in a living learning community. Students will experience the personal discovery of leadership potential and commitment. **Credits** 2

**LEAD 141 - Leadership in the Campus Community I**

Students will learn general leadership strategies associated with being employed by, or otherwise representing the University in an official capacity. Emphasis will also be placed on particular functions of various positions. **Credits** 1, R3
LEAD 150 - Band of Brothers: Leadership and Masculinity

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of men's identity and brotherhood. This is a Living Learning Community. Credits 2

LEAD 151 - Secrets of Powerful Women

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of women's identity and sisterhood. This is a Living Learning Community. Credits 2

LEAD 152 - Going Green: Leadership & Environmental Responsibility

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of environmental responsibility and sustainability. This is a Living Learning Community. Credits 2

LEAD 153 - Global Awareness & Citizenship: Leadership from a Global Perspective

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of global citizenship. This is a Living Learning Community. Credits 2

LEAD 156 - Cultural Competency & Social Justice

Students will be challenged and supported in transitioning to university life as they learn about campus and community resources aimed at student success. Further, they will discuss basic leadership principles through the lens of cultural competency and social justice. This is a Living Learning Community. Credits 2

LEAD 180 - Freshman Leadership Initiative II

Students will synthesize knowledge of the theoretical frameworks for understanding leadership and followership, while participating in a living learning community. This advanced course provides students with an opportunity to practice advanced leadership skills through team management and campus event planning. Prerequisites LEAD 140. Credits 2

LEAD 241 - Leadership in the Campus Community II

Students will learn general leadership strategies associated with being employed by, or otherwise representing the University in an official management or leadership capacity. Emphasis will also be placed on particular functions of various positions as a manager or leader. Prerequisites LEAD 141. Credits 1
LEAD 244 - Principles of Leadership

Students will explore the major theories of leadership and discuss how to define/measure leader effectiveness. It is intended for students who are interested in gaining a foundation in leadership studies and extended coursework in applied aspects of leadership. Credits 3

LEAD 249 - Diversity and Leadership

Students will explore and discuss issues of diversity and leadership such as communication, resolving conflicts, motivation, decision-making, community service, and leadership styles. Key to this exploration will be in-depth discussions of what diversity means and how leaders impact social justice. Credits 3

LEAD 250 - Leadership Lessons Through Film

Students will explore key concepts of leadership through the medium of film. Through intentional viewing and analysis, students will analyze leadership theory in relation to a wide range of movies. Credits 3

LEAD 294 - Special Topics in Leadership

This lower division leadership course will be designed based upon a special topic in leadership. Prerequisites Permission of instructor. Credits 1-3, R6

LEAD 300 - Leadership for Racial Justice

Students will explore how various forms of leadership have been manifest in historic and current movements for racial justice. Emphasis is placed on leadership strategies as contextualized in time, space, and place of racial justice movements. Credits 3

LEAD 301 - Women-Centered Leadership

Students will investigate leadership through various feminist lenses. To facilitate this exploration, students will learn about various waves of feminism and discuss many examples of women leaders. Credits 3

LEAD 302 - International Perspectives of Leadership

Students will investigate what leadership means and how it is manifest in countries outside of the United States. Explorations will include the impact of culture on power, governance, and leadership in a global context. Credits 3

LEAD 343 - Dimensions of Spirituality in Leadership

Students will explore their own relationship with their world and sense of spirituality, life course, and leadership knowledge while searching for meaning and purpose of actions and decisions. Credits 3

LEAD 344 - Advanced Leadership Theory

Students will explore and discuss issues on ethics and values decision making from leadership perspectives to understand how leaders shape the
moral environment in relation to major theoretical understandings of leadership. Prerequisites LEAD 244. Credits 3

**LEAD 346 - Civic Engagement and Leadership**

Students will draw on history, psychology, political science, and sociology to promote ethical leadership and civic engagement in our local community. This will be accomplished through a combination of education, research, and service. Credits 3

**LEAD 381 - Leadership Minor Independent Study**

This upper division leadership course will be designed based upon a learning contract developed by the student and agreed upon by the sponsoring faculty member. Prerequisites Permission of Instructor. Credits 1-3, R9

**LEAD 444 - Leadership Minor Capstone**

Students will move the theoretical leadership knowledge gained in prior coursework to practical application within the context of their chosen professional career path. Students will also synthesize knowledge gained across the leadership minor curriculum. Students taking this course need to meet prerequisites and should also have an additional six hours of approved Leadership Minor electives. Prerequisites LEAD 344 or permission of the instructor. Credits 3

**LEAD 483 - Leadership Minor Internship**

Students will participate in an intensive field experience during this internship-based course that requires students to integrate lessons learned from the core leadership courses into practical leadership situations. Credits 1-3

**LEAD 494 - Special Topics in Leadership**

This upper division leadership course will be designed based upon a special topic in leadership. Prerequisites Permission of instructor. Credits 1-3, R6

**Management**

**MGT 300 - Introduction to Management**

Principles, issues, and practices of managing in modern organizations. Corequisites HM 430 for HM majors. Credits 3

**MGT 302 - Labor-Management Relations**

Critical roles of labor unions; legislative bodies and government regulations; negotiation of collective bargaining agreements and dispute resolution. Prerequisites MGT 300. Credits 3

**MGT 304 - Human Resource Management**

Staffing, training, evaluating, and rewarding employees; developing and implementing effective personnel programs. Prerequisites MGT 300. Credits 3
MGT 306 - Behavioral Science in Organizations

Examination of individual and collective human behavior in organizations. **Prerequisites** MGT 300. **Credits** 3

MGT 320 - E-Management: The Internet's Impact

Exploration of the effect of the Internet and new technology on productivity and management; case studies of how established companies are developing their e-business strategies. **Credits** 3

MGT 366 - Applied Management Skills

Managerial skills, effective supervisory practices, and leadership approaches for entry-level managers. **Prerequisites** MGT 300. **Credits** 3

MGT 367 - Introduction to Project Management in Practice

An introduction to project management competencies required by contemporary global organizations. **Prerequisites** MGT 300. **Credits** 3

MGT 389 - Cooperative Education in Management

See Cooperative Education Program. **Credits** 1 or 3, R15

MGT 401 - Small Business Management

Operations and strategies of small firms; integration of functional areas; economic, social, political, technological, and governmental factors. **Prerequisites** MGT 300 or permission of instructor. **Credits** 3

MGT 402 - Production and Operations Management

Management processes for the creation of products and services; analytical techniques and controls. **Prerequisites** MGT 300 and (MGT 235 OR MATH 170 OR Permission of instructor). **Credits** 3

MGT 404 - Strategic Management

Capstone course integrating all aspects of the business core curriculum using case method, term projects, and/or computer simulations. **Prerequisites** BSBA core courses and senior standing. **Credits** 3

MGT 405 - Compensation Management

Design of compensation systems based on economic, behavioral science, and public policy models. **Prerequisites** MGT 304. **Credits** 3

MGT 407 - Interpersonal Behavior

Managerial interpersonal relationships, listening behavior, self-awareness. **Prerequisites** MGT 300. **Credits** 3

MGT 480 - Independent Research

Supervised, student-initiated research project. **Prerequisites** Permission of department head. **Credits** 3

MGT 483 - Internship in Management
Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head. **Credits** 3

**MGT 484 - Internship in Management**

Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head. **Credits** 3

**MGT 485 - Internship in Management**

Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. **Prerequisites** Junior standing, 2.0 GPA, written application, permission of department head. **Credits** 3

**MGT 493 - Topics in Management**

Topics in Management. **Prerequisites** Permission of department head. **Credits** 1-3, R6

**MGT 495 - Seminar in Management**

Integration of management concepts; development of management knowledge and skills; preparation for the professional world of work. **Prerequisites** Nine hours MGT courses and senior standing. **Credits** 3

**Manufacturing Engineering**

**MFE 311 - Manufacturing Engineering Lab I**

Laboratory exercises in support of MFE 324. **Prerequisites** MFE 324. **Credits** 1

**MFE 312 - Manufacturing Engineering Lab II**

Laboratory exercises in support of MFE 375. **Prerequisites** MFE 375. **Credits** 1

**MFE 324 - Computer Aided Design and Manufacturing**

This course introduces the integration of manufacturing with computer aided design. Commercial software for computer aided design and manufacturing will be introduced in this course. **Prerequisites** ENGR 231 and EE 200. **Prerequisites** MFE 311. **Credits** 3

**MFE 327 - Quality Engineering**

This course introduces aspects associated with statistical methods for quality control and process improvement. Topics include process characterization, optimization, six sigma principles and robustness. **Prerequisites** MATH 370 and MFE 324. **Credits** 3

**MFE 365 - Design of Manufacturing Systems**

This course introduces techniques and concepts required for the design of manufacturing systems. Concepts involving BOM, MRP, lean processes, production planning and forecasting are
also introduced. **Prerequisites** MFE 324 and MATH 370. **Credits** 3

**MFE 375 - Automated Manufacturing Systems**

This course introduces automation and computer-integrated manufacturing. Programmable logic controllers, industrial robotics, feedback systems and automation systems will also be introduced in this course. **Prerequisites** MFE 324 and ENGR 315. **Corequisites** MFE 312. **Credits** 3

**MFE 424 - Advanced Manufacturing Processes I**

This course introduces advanced manufacturing processes such as grinding and gear manufacturing. Tooling, CNC machining processes and fixture design will also be introduced. **Prerequisites** MFE 365 and MFE 375. **Credits** 3

**MFE 427 - Advanced Manufacturing Processes II**

Advanced manufacturing processes such as rapid prototyping, additive manufacturing, adhesive bonding and electronic manufacturing will be introduced in this course. **Prerequisites** MFE 424. **Credits** 3

**Marketing**

**MKT 134 - Small Group Communication and Sales Skills**

Current behavioral theory and research in the areas of small group communications and selling skills which are essential to managers in organizations. **Credits** 3

**MKT 195 - Facebook Generation Marketing**

Explores how Internet and online social networking changed purchasing decisions with a focus on aligning organizational and communication strategies with current and emerging communication technologies. **Credits** 3

**MKT 201 - Marketing Planning and Strategy**

This course presents the process of planning and executing a marketing strategy that satisfies consumer and organizational objectives. **Credits** 3

**MKT 206 - Introduction to Professional Selling**

Sales persuasion skills, theories, and principles; simulated selling situations. **Credits** 3

**MKT 211 - Marketing Principles (for non-marketing majors)**

This course provides a survey of key issues in marketing. Credit for course not applicable to hours required for graduation for students majoring in marketing. **Credits** 3

**MKT 260 - Principles of Internet Marketing**

Principles of Internet Marketing is a survey course covering a broad range of topics including digital marketing, integrated internet marketing, content marketing, social media marketing, and marketing analytics. **Credits** 3

**MKT 310 - Consultative Selling**
Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs. **Prerequisites** MKT 206 or permission of instructor. **Credits** 3

**MKT 340 - Consumer Behavior**

Examines psychological and sociological factors that influence consumption and decision making. Studies practical implications of consumer attitudes and behavior. **Prerequisites** MKT 201 or MKT 211. **Credits** 3

**MKT 342 - Integrated Marketing Communications Strategy**

An understanding of the communications process. Research methods for audience identification. Gathering, analyzing data to understand customer responses. **Prerequisites** MKT 201 or MKT 211. **Credits** 3

**MKT 343 - Advertising Management**

Planning and production of a professional advertising campaign. **Prerequisites** MKT 201 or MKT 211. **Credits** 3

**MKT 352 - Sales Management**

Managing sales people through applications oriented assignments focusing on territory design, salesperson motivation, and quota attainment. **Credits** 3

**MKT 360 - Foundations of Internet Marketing**

Foundations of Internet Marketing is a survey course covering a broad range of topics including digital marketing, integrated internet marketing, content marketing, social media marketing, and marketing analytics. **Prerequisites** MKT 201. **Credits** 3

**MKT 371 - Business and Organizational Marketing**

Strategic implications of marketing high volume, cost, or technological products to organizations. Focuses on needs and processes of businesses and inter-firm dynamics. **Credits** 3

**MKT 389 - Cooperative Education in Marketing**

See Cooperative Education Program. **Credits** 1 or 3, R15

**MKT 404 - Retailing Management**

Retailing organization and management, including: store location, merchandise management, expense analysis and control, and current issues and trends. **Credits** 3

**MKT 406 - Internet and Social Media Marketing & Sales**

Application of Internet and social media marketing strategies. Project-based curriculum aligning organizational marketing objectives with emerging communication technologies and web based sales techniques. **Prerequisites** MKT 201. **Credits** 3

**MKT 407 - Global Consumer Culture**
The consumption of goods and services has a big impact on individual identity formation, personal well-being, and society as a whole. Consumption has reached significant sophistication in today's post-modern, post-industrial world, receiving a special label: "consumer culture." This course explores how consumers make meaning of the deluge of goods and services on the market, and construct their identities through products and brands, especially in light of the proliferation of consumer culture in both developed and developing economies. Students will examine these issues in a critically reflective, cross-disciplinary intellectual environment that evaluates the influence of the US in this process. (P6). Credits 3

MKT 409 - Negotiations/Relationship Marketing

Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills. (P1). Credits 3

MKT 465 - Decision Making for Value Creation

This course is about how businesses create value and how marketers use information to make good decisions. Prerequisites MATH 170 or QA 235, MKT 201, ACCT 251, ECON 231, MKT 206 and two MKT electives at the 300 or 400 level. Credits 3

MKT 475 - Marketing Strategy

This course begins with a brief review of strategic marketing analysis, then focuses on applied marketing activities using real world cases. Prerequisites MKT 201, MKT 304, and MKT 303. Credits 3

MKT 482 - Independent Study

Supervised, student-initiated project. Prerequisites Marketing major, MKT 475, senior standing, minimum GPA of 3.25, permission of instructor and department head. Credits 3

MKT 483 - Internship in Marketing

Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. Prerequisites Junior standing, 2.0 GPA, written application, permission of department head. Credits 3

MKT 493 - Topics in Marketing

Topics in Marketing. Credits 1-3, R12

Mathematics

MATH 101 - Mathematical Concepts

Introduction to applications of mathematics to daily experience. Topics to include statistical analysis and interpretation, applications to business, measurement methods, and selected topics of interest. (C2). Credits 3

MATH 130 - College Algebra

Real number properties, solving equations, inequalities, systems of equations, functions, and graphs. Credits 3
MATH 135 - Statistics, Functions, and Rates of Change

Descriptive statistics, probability distributions, functions, and an introduction to derivatives. Credits 3

MATH 140 - Introductory Calculus

The differential and integral calculus of algebraic functions of one variable. Prerequisites MATH 130 or 146 placement. Credits 5

MATH 144 - Applied Trigonometry

Topics including right triangles, trigonometric functions, graphing; basic identities, triangle solutions, and complex numbers; emphasis on applications. Credit not available for both MATH 144 and MATH 145. Prerequisites MATH 130. Credits 3

MATH 145 - Trigonometry

Basic trigonometry: functions, identities, graphs, solution of equations and triangles, complex numbers; analytical trigonometry. Credit not available for both MATH 144 and MATH 145. Prerequisites MATH 130 or consent of the director of mathematics placement. Credits 3

MATH 146 - Precalculus

Functions using equations, graphs, and numerical data; linear, exponential, logarithmic, trigonometric, polynomial, and rational functions; transformations, compositions, inverses, and combinations of functions; trigonometry with identities. Prerequisites MATH 130 or consent of the director of mathematics placement. Credits 4

MATH 152 - Engineering Calculus I

Limits, continuity, derivatives of algebraic and trigonometric functions with applications. Prerequisites MATH 146, or consent of the director of mathematics placement. Credits 3

MATH 153 - Calculus I

Limits, continuity, derivative, and integrals of algebraic and trigonometric functions with applications. Prerequisites MATH 146 or placement. Credits 4

MATH 170 - Applied Statistics

Descriptive statistics, exploratory data analysis, probability distributions, correlation, regression, estimation, and hypothesis testing. Credits 3

MATH 190 - Mathematical Models of Population Growth

Exponential, logistic, age-structured populations, metapopulation dynamics, viable population size, and probability of regional extinction. Credits 3

MATH 191 - Mathematics in Social Choice and Decision-Making

This course covers topics from voting methods, weighted voting, fair division, apportionment, and game theory. Credits 3

MATH 192 - Fractals: The Geometry of Nature
Investigate basic mathematical principles behind fractals with connections to literature, art, science, and the general world. **Credits 3**

**MATH 193 - Cryptography: The Science of Secrets**

A first-year seminar covering basic mathematical techniques, historical development, and contemporary issues related to the practice of cryptography. **Credits 3**

**MATH 200 - Introduction to Mathematical Problem Solving**

Introduction to problem solving strategies appropriate for K-12 mathematics teaching and learning. **Prerequisites** MATH 146 or higher. **Credits 1**

**MATH 221 - Number Sense for Teaching**

Numeration systems; quantitative reasoning with integers, rationals, irrationals, and reals; number theory. **Credits 3**

**MATH 250 - Introduction to Logic and Proof**

An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics. **Prerequisites** MATH 140 or MATH 153 or consent of Department Head. **Credits 3**

**MATH 252 - Engineering Calculus II**

Integrals of algebraic and trigonometric functions with applications series. **Prerequisites** MATH 152, or consent of the director of mathematics placement. **Credits 3**

**MATH 253 - Engineering Calculus III**

Multivariate calculus, partial derivatives, multiple integrals, Green's Theorem. **Prerequisites** MATH 252, or consent of the director of mathematics placement. **Credits 3**

**MATH 255 - Calculus II**

Derivatives and integrals of transcendental functions, techniques of integration, indeterminant forms, improper integrals, infinite series. **Prerequisites** MATH 153. **Credits 4**

**MATH 256 - Calculus III**

Plane curves, polar coordinates, vectors and solid analytical geometry, vector-valued functions, partial differentiation, multiple integrals. **Prerequisites** MATH 255. **Credits 4**

**MATH 270 - Statistical Methods I**

Descriptive statistics, probability, random variables, sampling distributions, confidence intervals, one-sample and two-sample hypothesis testing, chi-square inference for two-way tables, simple linear regression, multiple linear regression, analysis of variance. Introduction to at least one statistical software package. **Prerequisites** MATH 146 or 153 or placement. **Credits 3**

**MATH 300 - Problem Solving**
Methods and techniques for problem solving in mathematics. 2 Lecture hours. **Prerequisites** Math 200. **Credits** 2

**MATH 301 - History of the Scientific Revolution**

A study of the role of science in Western culture from classical antiquity to the seventeenth century. (P3). **Credits** 3

**MATH 310 - Discrete Structures**

Graph theory: planarity, eulerian, hamiltonian, colorings, and trees. Enumeration: permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion. **Prerequisites** MATH 250 or permission of instructor. **Credits** 3

**MATH 311 - Informal Geometry**

Points, lines, planes, constructions; axiomatic structure of geometry and the nature of proof. **Prerequisites** MATH 321 and MATH 322. **Credits** 3

**MATH 320 - Ordinary Differential Equations**

Differential equations of first order, first degree with applications; linear equations of higher order and numerical methods; special equations of second order. **Prerequisites** MATH 255. **Credits** 3

**MATH 321 - Reasoning about Change, Measurement, Chance, and Data for Teaching**

Mathematics of algebraic and geometric change; measurements of two and three dimensional shapes; study of chance and probability; collecting, representing, and interpreting data. **Prerequisites** MATH 221. **Credits** 3

**MATH 340 - Introduction to Scientific Computing**

Survey of mathematical software and programming languages; applications in modeling and simulation; development of algorithms that requires advanced mathematical background. **Prerequisites** MATH 255. **Credits** 3

**MATH 361 - Abstract Algebra I**

Groups, rings, and fields. **Prerequisites** MATH 250. **Credits** 3

**MATH 362 - Linear Algebra I**

Systems of equations, matrices, vector spaces, and linear transformations. **Prerequisites** MATH 250 and MATH 153. **Credits** 3

**MATH 370 - Probability and Statistics I**

Classical probability models, distributions of discrete and continuous random variables, joint probability distributions, mathematical expectation. **Prerequisites** MATH 255. **Credits** 3

**MATH 373 - Theory of Interest for Actuarial Exam FM**

Topics in financial mathematics on the second exam of the Actuarial Societies:
interest rates, annuities, accumulation functions, amortization schedules, present values, future values, and bonds. **Prerequisites** MATH 255. **Credits** 3

**MATH 375 - Statistical Methods II**

Least squares estimates of parameters in regression models, simple linear regression, multiple linear regression, hypothesis testing and confidence intervals in linear regression models, testing of models, data analysis and appropriateness of models, time series models, moving average, regression-based and/or ARIMA models, estimation, data analysis and forecasting with time series models, forecast errors and confidence intervals. Analysis of real data will be included. **Prerequisites** MATH 270. **Credits** 3

**MATH 380 - Research in Mathematics**

Supervised research directed toward a topic selected in consultation with the instructor. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**MATH 386 - Practicum**

Practical experience under faculty supervision for prospective teachers as teaching aides and as tutors. 5 Lab. **Prerequisites** MATH 255; permission of department head. **Credits** 2

**MATH 389 - Cooperative Education in Mathematics**

See Cooperative Education Program. **Credits** 1 or 3, R15

**MATH 393 - Topics in Mathematics**

Topics in Mathematics. **Prerequisites** Permission of department head. **Credits** 1-6, R6

**MATH 394 - Contest Preparation Seminar**

Solving contest problems from selected topics such as: Number Theory, Combinatorics, Geometry, Inequalities, Calculus, Polynomials, Functional Equations, etc., S/U grading. **Prerequisites** MATH 153. **Credits** 1, R4

**MATH 400 - History of Mathematics**

The development of mathematics from a historical perspective. Topics include elementary number theory, probability, algebra, geometry, trigonometry, and calculus. **Prerequisites** MATH 153 or MATH 140 or permission of department head. **Credits** 3

**MATH 411 - Foundations in Geometry**

Axiomatic approach to the study and development of Euclidean and non-Euclidean geometry. **Prerequisites** Junior standing or permission of department head. **Credits** 3

**MATH 412 - Modern Geometries**

Finite geometries, transformations, motions of the Euclidean plane and three-space, similarity transformations, convexity, and other topics. **Prerequisites** Junior standing or permission of department head. **Credits** 3
MATH 414 - Introduction to Secondary Mathematics Teaching Methods

An examination of secondary mathematics curriculum and methods, strategies, and techniques of using technology to support mathematics teaching and learning. Prerequisites Admission to Professional Education Sequence AND Junior standing or permission of the instructor. Credits 3

MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School

A survey of contemporary trends and issues in teaching mathematics at the secondary level. Methods, materials, curriculum, and other current practices are included. Prerequisites Admission to the professional education sequence; MATH 414. Credits 3

MATH 422 - Real Analysis I

Sequences of real numbers, continuous functions, and differentiation. Prerequisites MATH 250 and MATH 255. Credits 3

MATH 423 - Real Analysis II

Differentiation including L'Hospital's rule and Taylor's theorem; integration theory; other classical topics. Prerequisites MATH 422. Credits 3

MATH 424 - Complex Variable Theory

The complex number system, limits, continuity, derivatives, transcendental and multiple valued functions, integration. Prerequisites MATH 256. Credits 3

MATH 430 - Mathematical Modeling

Topics including design of models, analysis of stability and sensitivity, optimization, programming, forecasting, differential equation models, diffusion, or wave propagation. Prerequisites MATH 320, MATH 362, MATH 340. Credits 3

MATH 441 - Introduction to Numerical Analysis

Numerical techniques in root-finding, interpolation, differentiation and integration, ordinary differential equations, linear systems, and error analysis. Prerequisites MATH 255; MATH 340 or CS 150. Credits 3

MATH 450 - Linear Optimization

Formulation and solution of linear programming models; development of simplex method; duality theory; sensitivity analysis; software; and applications. Prerequisites MATH 255, MATH 362. Credits 3

MATH 461 - Abstract Algebra II

Topics from abstract algebra including quotient groups and rings, rings of polynomials and field extensions, quaternions, homomorphism theorems. Prerequisites MATH 361. Credits 3

MATH 462 - Linear Algebra II
Topics from linear algebra including algebra of linear transformations, dual space, algebra of polynomials, determinants, eigenvalues, diagonalization, and selected applications. **Prerequisites** MATH 362. **Credits** 3

**MATH 470 - Probability and Statistics II**

Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation and regression. **Prerequisites** MATH 370. **Credits** 3

**MATH 471 - Problem Solving for Actuarial Exam P**

Advanced problem solving by means of extensive review and practice. Preparing students for Exam P of the Society of Actuaries and the Casualty Actuarial Society. **Prerequisites** Math 256, Math 370. **Corequisites** Math 256. **Credits** 3

**MATH 475 - Statistical Machine Learning**

This course blends the algorithmic perspective of machine learning in computer science and the predictive perspective of statistical thinking. Topics include regression, classification, algorithmic analysis of models, performance metrics and prediction, cross-validation, data transformations, dimension reduction, supervised and unsupervised learning and ensemble methods. **Prerequisites** CS 150 and (MATH 270 or MATH 370). **Credits** 3

**MATH 479 - Capstone: Seminar**

A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature. **Prerequisites** MATH 250 and senior standing or permission of instructor. **Credits** 2

**MATH 480 - Senior Thesis**

A guided undergraduate research experience with a faculty mentor. Students will write a paper and give an oral presentation on a mathematics related topic. S/U grading. **Prerequisites** MATH 479. **Credits** 1

**MATH 491 - Supervised Student Teaching in Mathematics, 9-12**

A full-time supervised teaching experience in the discipline. **Corequisites** EDSE 485 or EDSE 490 and ESDE 495. **Credits** 3

**Mechanical Engineering**

**ME 312 - Mechanical Engineering Lab III**

The design and analysis of machine elements such as gears, shafts, bearings, and frictional devices. The laboratory exercises and project activities of this course are in support of ME 302. Contact Hours: 3 Lab. **Corequisites** ME 302. **Credits** 1

**ME 332 - Heat Transfer: Analysis and Applications**
The basic principles of heat transfer and the application of these principles in engineering systems. Instrumentation, use of sensors, and computer-based data acquisition techniques are also covered. Contact Hours: 2 Lecture, 2 Lab. **Prerequisites** ENGR 315 and ME 321. **Credits** 3

**Middle Grades Education**

**EDMG 410 - The Middle School Child and Curriculum**

Programs, methods, and materials for students in the middle grades. **Credits** 3

**EDMG 411 - Differentiated Instruction in Middle Grades Education**

Exploration of diversity with respect to ways of learning and developing strategies for differentiating instruction in grades 6-9. **Prerequisites** Admission to professional education sequence. **Credits** 3

**EDMG 415 - Language Arts Methods Grades 6-9**

Teaching methods, materials, and curriculum development in language arts, grades 6-9, with emphasis on fostering written and digital communication. **Prerequisites** Admission to professional education sequence. **Credits** 3

**EDMG 416 - Science Methods Grades 6-9**

Methods for teaching science in grades 6-9. **Prerequisites** Admission to the professional education sequence. **Credits** 3

**EDMG 417 - Social Studies Methods Grades 6-9**

Methods, materials, and strategies for teaching social studies in grades 6-9. **Prerequisites** Admission to professional education sequence. **Credits** 3

**EDMG 419 - Mathematics Methods Grades 6-9**

The development of mathematical concepts: program, methods, and materials for grades 6-9. **Prerequisites** Admission to the professional education sequence. **Credits** 3

**EDMG 420 - Responsive Assessment & Classroom Management**

The exploration of diversity with respect to classroom management and assessment, generate strategies for assessing learning, and develop plans for responsive learning communities. **Prerequisites** EDMG 410 and EDMG 411. Admission to the professional education sequence. **Credits** 3

**EDMG 421 - Internship Seminar for Responsive Teaching**

In this course, participants explore the dynamics of classroom management and assessment with a central focus on applying what they are learning to their internships. **Prerequisites** EDMG 411, EDMG 412. **Corequisites** EDMG 421. **Credits** 2

**EDMG 422 - Inclusive Education: Co-Teaching in the Middle School**
In this course, participants explore the dynamics of classroom management and assessment with a central focus on applying what they are learning to their internships. Prerequisites EDMG 411, EDMG 412. Corequisites EDMG 420, EDMG 421. Credits 3

Music

MUS 071 - University Chorus

Study and performance of representative choral works; open to any student meeting eligibility requirements. Different repertoire every semester. Does not meet music degree requirements. 3 meetings. Credits 0

MUS 072 - Concert Choir

Audition required; public performances. Does not meet music degree requirements. 4 meetings. Credits 0, R8

MUS 073 - Band

Performance of wide variety of music in marching, symphonic, or concert band; open to any student meeting eligibility requirements. Different repertoire every semester. Does not meet music degree requirements. 4 meetings. Credits 0

MUS 074 - Orchestra

Experience for advanced strings, wind, and percussion players; formal concerts and performances. Different repertoire every semester. Does not meet music degree requirements. Credits 0

MUS 075 - Ensemble

Performance in vocal or instrumental ensembles. Different repertoire every semester. Does not meet music degree requirements. Credits 0

MUS 101 - Music Appreciation

Introduction to the materials, performing media, and fundamental principles of music in the context of the western classical tradition. (P5). Credits 3

MUS 102 - Music in American Culture

The role of folk, popular, and art music in American culture from 1607 to the present. (P5). Credits 3

MUS 103 - Women and Popular Music

This course offers a historical survey of women in American popular music from 1920 to the present. Students examine blueswomen, Tin Pan Alley musicians, radio singers, the dawn of the teenager in American culture, women in rockabilly, girl groups, folksinger/songwriters, the Summer of Love, women in the music industry, women as music critics, the womyn's music movement, punk, new wave, and riot grrrl, confessional singers, and child performers, including Disney girls. Students learn to distinguish between different musical styles; they examine how gender and sexuality have shaped the production, marketing, and consumption of American popular music in the past ninety-five years, they come to understand how music and other cultural products (e.g., movies, fashion, magazines) have shaped our country's history and how technology...
influences music’s ubiquitous presence in our lives. **Prerequisites** none  
**Credits** 3

**MUS 105 - Applied Preparatory**

Applied music study with one hour of private instruction and one hour master class each week. Studio. **Prerequisites** Audition or permission of the department head. **Credits** 2

**MUS 106 - Applied Minor**

Applied music study with one-half hour private instruction per week. Studio. **Prerequisites** Audition or permission of the department head. 30-minute music lesson. **Credits** 1, R3

**MUS 107 - Applied Major**

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites** Audition or permission of the department head. **Credits** 2, R6

**MUS 108 - Aural Skills I: Fundamentals of Sight Singing**

Aural analysis and sight singing of intervals, scales, chords, and simple meters using solfege syllables. 2 Lab. **Prerequisites** Placement exam or permission of the department head. **Credits** 1

**MUS 118 - Music Theory I: Fundamentals**

Fundamentals of music notation: keys, modes, scales, triads, seventh chords, 2-part counterpoint, ranges and transpositions of instruments, elementary analysis and composition; basic Finale notation. **Prerequisites** Placement exam or permission of the department head. **Credits** 3

**MUS 148 - Piano Class I**

Basic functional keyboard skills. 2 meetings. **Prerequisites** Music major or permission of department head. **Credits** 1

**MUS 149 - Piano Class II**

Basic functional keyboard skills. 2 meetings. **Prerequisites** MUS 148. **Credits** 1

**MUS 150 - Storytelling Through Sound**

Fundamental principles of audio emphasizing the tools and techniques involved in media production with particular attention to sound that enhances the storyline. **Credits** 3

**MUS 168 - String Class**

Playing stringed instruments; basic technical problems and teaching techniques. 2 meetings. **Credits** 1

**MUS 169 - Classroom Guitar Technique**

Basic technical problems and teaching techniques. 2 meetings. **Credits** 1

**MUS 181 - Introduction to MIDI/Synthesis**

Survey of MIDI devices, synthesis techniques, and contemporary music technology. 2 Lab. **Prerequisites** Music
MUS 182 - Computer Music Notation

Use of the computer to prepare music scores and parts. Prerequisites MUS 208, MUS 218 or permission of the instructor. Credits 2

MUS 190 - First-Year Seminar

Variable topics such as jazz, rock music, music and community, music technology, etc. See schedule of classes for topic of each section. Credits 3

MUS 191 - Integral Arts

Exploring the integral nature of art as how we live, record our life and world, and imagine our future. Open to majors within the College of Fine and Performing Arts, others by permission of the Director of the School of Stage and Screen. Credits 3

MUS 206 - Applied Minor

One thirty-minute private lesson per week. Studio. Prerequisites MUS 108, MUS 118; two semesters of MUS 106. Credits 1, R3

MUS 207 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. Prerequisites MUS 108, MUS 118; successful sophomore qualifying exam or audition and permission of the department head. Credits 2, R6

MUS 208 - Aural Skills II: Basic Tonal Functions

Aural analysis and performance of basic tonal functions, modulation, simple tonal forms, simple and compound meters. Prerequisites MUS 108 and MUS 118, placement exam, or permission of department head. Credits 1

MUS 218 - Music Theory II: Tonal Harmony

Introduction to tonal functions: non-harmonic tones, tonicization, modulation, 4-part voice leading, analysis and composition of simple forms; introduction to computer-based music engraving. Prerequisites MUS 118 and/or placement exam or permission of department head. Credits 3

MUS 248 - Piano Class III

Continuation of keyboard skill development. 2 meetings. Prerequisites MUS 149. Credits 1

MUS 249 - Piano Class IV

Piano proficiency completion. 2 meetings. Prerequisites MUS 248. Credits 1

MUS 258 - Diction for Singers I

Fundamentals of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of English and Italian. Credits 1

MUS 259 - Diction for Singers II
Continuation of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of German and French. **Prerequisites** MUS 258 or permission of instructor. **Credits** 2

**MUS 272 - Percussion Class**

Playing percussion instruments; basic technical problems and teaching techniques. 2 meetings. **Credits** 1

**MUS 281 - Introduction to Digital Audio**

Fundamental concepts and techniques for music production using computer workstations for MIDI sequencing and manipulation of digital audio. **Prerequisites** MUS 181 or permission of instructor. **Credits** 2

**MUS 283 - Music Technology Methods**

Topics, equipment, and pedagogy of music technology in music education. 2 Lab. **Prerequisites** MUS 108 and MUS 118 or permission of instructor. **Credits** 1

**MUS 300 - Country Music: A Cultural and Stylistic History**

A cultural and stylistic history of country music from the early 1920s to the present. **Credits** 3

**MUS 301 - Music for Elementary Classroom Teachers**

Music fundamentals, elementary performance skills, and methods of integrating music into the elementary classroom. **Credits** 1

**MUS 302 - History of Rock Music**

Exploration of rock music as a rebellious cultural art form influenced by race and ethnic relations, politics, culture, technology and globalization. (P5). **Credits** 3

**MUS 303 - The World of Music**

Musical traditions of various world cultures in their social contexts. (P6). **Prerequisites** Junior-level status. **Credits** 3

**MUS 304 - Jazz Appreciation**

Introduction to the materials, performing media, fundamental principles, and performers of American jazz in a social and historical context. (P5). **Credits** 3

**MUS 305 - Junior Recital**

Public performance. May be scheduled after hearing committee approval and completion of junior-qualifying examination. **Prerequisites** Junior-level qualifying examination. **Credits** 1

**MUS 306 - Applied Minor**

One thirty-minute private lesson per week. Studio. **Prerequisites** Two semesters of MUS 206. **Credits** 1, R3

**MUS 307 - Applied Major**

Applied music with one hour of private instruction and one hour master class each week. Studio. **Prerequisites** Successful junior qualifying examination or audition and permission of the department head. **Credits** 2, R6
MUS 308 - Aural Skills III: Advanced Tonal Functions

Aural analysis and performance of advanced forms and chromatic tonal functions; 4-part dictation and performance, and complex meters. 2 Lab. Prerequisites MUS 208, MUS 218. Credits 1

MUS 309 - Aural Skills IV: Jazz and Commercial Music

Aural identification of common commercial chord groups, progressions, and musical forms including: blues, rhythm changes, and "American Song" form; basic improvisation. 2 Lab. Prerequisites MUS 308, MUS 318. Credits 1

MUS 311 - Pedagogy of Brass Instruments

Teaching methodology and materials for brass instruments in a beginning band setting, including basic performance proficiency on each instrument. 1 Lecture, 2 Lab. 3 meetings/week. Credits 2

MUS 312 - Pedagogy of Woodwind Instruments

Teaching methodology and materials for woodwind instruments in beginning band setting, including basic performance proficiency on each instrument. 1 Lecture, 2 Lab. 3 meetings/week. Credits 2

MUS 313 - Band Instrument Repair

Introduction to the repair and maintenance of band instruments for the music educator. 2 Lab. Credits 1

MUS 314 - Jazz Pedagogy

Fundamentals of jazz pedagogy in the secondary schools. Prerequisites Music Education majors or permission of instructor. Credits 1

MUS 317 - Applied Commercial and Electronic Music

Applied study of Commercial and Electronic Music with one hour of individual instruction and one hour of masterclass each week. Prerequisites Successful sophomore performance examination or audition. Credits 2, R6

MUS 318 - Music Theory III: Advanced Forms and Chromaticism

Analysis and composition of advanced musical forms: sonata, rondo, episodic, etc., nineteenth-century chromaticism, intermediate computer-based music engraving. Prerequisites MUS 218. Credits 3

MUS 319 - Music Theory IV: Twentieth Century Styles

Analysis and composition of twentieth century musical styles including jazz and commercial music; basic orchestration and advanced computer-based music engraving. Prerequisites MUS 318. Credits 3

MUS 320 - Materials in Popular Music and Jazz

The basics of music theory and the development of aural skills pertaining to popular song and jazz. Prerequisites MUS 319 or permission of instructor. Credits 3
MUS 323 - Music in the Elementary School

Current issues, methods, and techniques for teaching and supervising general music programs in the elementary school. Prerequisites MUS 319. Credits 2

MUS 324 - Music in the Middle School

Current issues, methods, and techniques for teaching and supervising choral and instrumental music programs in the middle school. Prerequisites MUS 319. Credits 2

MUS 326 - Instrumental Methods and Materials

Methods and materials used in instrumental teaching. Prerequisites Admission to teacher education. Credits 3

MUS 327 - Choral Methods and Materials

Methods and materials used in developing the school choral program. Prerequisites Admission to teacher education. Credits 3

MUS 329 - Fundamentals of Conducting

Introduction to the basic skills and gestures of conducting. 3 Lab. Prerequisites MUS 309, MUS 319. Credits 2

MUS 358 - Concert Attendance

Attend 10 approved music performances. S/U grading. Credits 0

MUS 371 - University Chorus

Study and performance of representative choral works; open to any student meeting eligibility requirements. Different repertoire every semester. 3 meetings. Credits 1, R16

MUS 372 - Concert Choir

Audition required; public performances. Different repertoire every semester. 4 meetings. Credits 1, R16

MUS 373 - Band

Performance of a wide variety of music in the marching, symphonic, and concert bands; open to any student meeting eligibility requirements. Different repertoire every semester. 4 meetings. Credits 1-2, R16

MUS 374 - Orchestra

Experience for advanced strings, wind, and percussion players; formal concerts and performances. Different repertoire every semester. Credits 1, R16

MUS 375 - Ensemble

Performance in vocal and instrumental ensembles. Different repertoire every semester. S/U grading. Credits 1, R24

MUS 376 - Musical Theatre Ensemble

Staged production of scenes or shows from the operatic and musical theatre repertory. Prerequisites Permission of instructor. Credits 1, R8
MUS 378 - Survey of the Music Industry

The retail and wholesale music trade: publishing, royalties, copyright, performance rights, record production, advertising and promotion, labor relations, contracts, artist management. Prerequisites MUS 318 or permission of instructor. Credits 3

MUS 379 - Introduction to Recording Arts

The audio recording process including the acoustics of sound, microphone design, signal path, audio console theory, and digital signal processing. Prerequisites MUS 281; Commercial and Electronic Music major or permission of the instructor. Credits 3

MUS 383 - Music and Audio in Media

Recording, editing, mixing, importing, embedding and synchronizing digital audio with video in a variety of media formats. Prerequisites Music or Film majors, or permission of instructor. Credits 3

MUS 389 - Cooperative Education in Music

See Cooperative Education Program. Credits 1 or 3, R15

MUS 403 - Marching Band Techniques

Variable topics: students may enroll again for additional credit if a different topic is taken. Credits 1, R4

MUS 405 - Senior Recital

Public performance. May be scheduled after hearing committee approval. Prerequisites MUS 305. Credits 1

MUS 406 - Applied Minor

One 30-minute private lesson per week. Prerequisites Two semesters of MUS 306. Credits 1, R3

MUS 407 - Applied Major

Applied music with one hour of private instruction and one hour master class each week. Studio. Prerequisites Audition or permission of the department head. Credits 2, R6

MUS 410 - History of American Musical Theatre

A study of the development of the Musical in the United States, tracing its development from 17th Century sources. (P5). Credits 3

MUS 411 - Advanced Vocal Pedagogy

Advanced study of teaching methodology, physiology, and anatomy of the voice. Emphasis on a variety of vocal styles, techniques, research, technology, and practical teaching experiences. Prerequisites Upper level music majors only. Credits 3

MUS 412 - Teaching in the Private Studio

Practical, ethical, and legal aspects of establishing a private music studio, including evaluation of appropriate pedagogical approaches and materials for individual instruction. Credits 1
MUS 413 - Studies in Improvisation

Study of significant styles of improvisation through listening, analysis, and performance. Additional credit may be earned at an advanced level or in a different style. Lab. Prerequisites MUS 309, MUS 319. Credits 1, R4

MUS 417 - Applied MIDI/Synthesis

Applied study of MIDI/Synthesis with one hour of private instruction and one hour of masterclass per each week. Prerequisites Permission of instructor. Credits 2, R6

MUS 418 - Music History I: Music Before 1750

Music history from the roots of Western civilization to the end of the Baroque. Prerequisites MUS 318 or permission of instructor. Credits 3

MUS 419 - Music History II: Music after 1750

Music history from the end of the Baroque to the present. Prerequisites MUS 319 or permission of instructor. Credits 3

MUS 420 - Studies in Music Literature

Historical and theoretical study of various forms of music literature. Prerequisites MUS 419 or permission of the instructor. Credits 3, R9

MUS 425 - Twentieth-Century Music

Historical and theoretical issues in twentieth-century music. Prerequisites MUS 419. Credits 3

MUS 426 - Jazz Arranging and Composing

Basic tools of creative arranging and composing for small jazz ensembles. Prerequisites MUS 320 or permission of instructor. Credits 3

MUS 428 - Choral Conducting

Study and application of gesture communication and analysis to choral conducting. 3 Lab. Prerequisites MUS 329. Credits 2

MUS 429 - Instrumental Conducting

Application of techniques and analysis to instrumental conducting. 3 Lab. Prerequisites MUS 329. Credits 2

MUS 439 - Arts & Entrepreneurship

This course serves as the prerequisite survey of arts management by covering the principles of arts entrepreneurship and management. Arts & Entrepreneurship is designed for arts practitioners seeking to increase their knowledge of contemporary arts entrepreneurship and management practice. In this course students will choose a concentration or focus such as visual arts, music, theater, dance, etc. This course provides the background necessary for understanding the current global arts marketplace, but assumes that arts businesses and organizations must adopt an entrepreneurial approach to thrive in the current and future marketplaces. Credits 3
MUS 450 - Arts & Entrepreneurship Intensive

This course is designed to complement the core courses in the Arts & Entrepreneurship Undergraduate Certificate by providing a targeted and intense education in the business of the arts.

Over the academic year three to six guest lecturers are brought to campus to present workshops or master classes on a variety of arts and entrepreneurship topics. These workshops or master classes, focused on applied learning, consist of 15 contact hours for 1 hour of academic credit. These sessions are scheduled in a variety of ways to accommodate student schedules, including online instruction.

Credits 1, R6

MUS 468 - Composing for Film and Video

Materials and procedures in composing music in synchronization with film and video. Prerequisites MUS 181, or MUS 283; MUS 319. Credits 3

MUS 469 - Music in Motion Pictures

The study of music composed for motion pictures, process and procedures, selected biographies, representative films, and a brief chronology. Credits 3

MUS 470 - Orchestration and Arranging

Scoring and arranging for instrumental and vocal ensembles. Prerequisites MUS 182 or MUS 283; MUS 319. Credits 2

MUS 474 - Entrepreneurship in Music, Senior Project

The study and application of skills needed in professional music related fields: senior project, resume, and multi-media portfolio required. Prerequisites MUS 378 or permission of instructor. Credits 1

MUS 475 - Arts Management

Introduction to the principles and practices of managing nonprofit cultural institutions. Credits 3

MUS 479 - Digital Audio Recording and Editing

Non-linear digital audio production for recording, editing, arranging, and mixing of digital audio and MIDI. Prerequisites MUS 379 or permission of instructor. Credits 3

MUS 480 - Independent Study

Independent Study. Prerequisites Permission of the instructor; music major. Credits 1-3, R9

MUS 481 - Live Sound Reinforcement

A study of the tools and techniques used in the mixing and amplification of live sound. Prerequisites MUS 379, MUS 383, or permission of instructor. Credits 3

MUS 483 - Practicum in Music

Project-based practicum in an on-campus work environment; 45 hours of work per hour of credit. Prerequisites Permission of instructor. Credits 1-3, R3
MUS 489 - Internship

Faculty-supervised training in an approved agency. Minimum of 9 hours per week or 135 hours for each 3 credits, arranged with the agency and the music department. S/U grading. Prerequisites MUS 378, permission of department head. Credits 3, R9

MUS 491 - Supervised Student Teaching in Music, K-12

A full-time supervised teaching experience in Music. Corequisites EDSE 490, 495. Credits 3

MUS 493 - Topics in Music

Issues in music performance, education, or the music business. Prerequisites Permission of department head. Credits 1-3, R12

MUS 494 - Topics in Musical Theatre

Selected topics in musical theatre. Prerequisites Permission of instructor. Credits 1-3, R6

MUS 497 - Seminar in Piano Pedagogy

2 Lab. Prerequisites Approval of instructor. Credits 1, R4

MUS 498 - Seminar in Accompanying

2 Lab. Prerequisites Approval of instructor. Credits 1, R4

Native American Studies

NAS 452 - The Roots of Health Disparities in Native American Populations

Course discusses emergent models that associate chronic stress via historical and inter-generational trauma with chronic disease, particularly among Indigenous or colonized populations. Prerequisites Junior or senior standing. Credits 3

NAS 470 - Cherokee Culture and History

Course will provide a general introduction to Cherokee culture and history with an emphasis on relationship to health and policy. Prerequisites Junior or senior standing. Credits 3

NAS 471 - Indigenous and Western Psychologies

Epistemologies and world views of Southeastern Native peoples will be discussed in comparison with standard Western approaches of addressing behavioral health. Prerequisites Junior or senior standing. Credits 3

NAS 472 - Healing the Wounded Native Child

Course will increase students' understanding of culturally sensitive care and key elements involved in addressing behavioral health needs of Native child and adolescent populations. Prerequisites Junior or senior standing. Credits 3

NAS 474 - Issues in Indian Health
Historical and cultural context of disease in the Americas from 1500 AD to present, with focus on health of Indigenous Peoples of Southeast. Prerequisites Junior or senior standing. Credits 3

NAS 476 - American Indian Tobacco and Substance Use

Broad historic and contemporary survey of how tobacco and consciousness-altering substance usages are situated within the culture and daily lives of Southeastern Native peoples. Prerequisites PREQ: Junior or senior standing. Credits 3

Natural Resources Management

NRM 140 - Natural Resource Conservation and Management

Students will develop a basic understanding of natural resources, and will investigate relationships between those resources and society while exploring issues related to their management. (C5). Credits 3

NRM 150 - Career Opportunities in Natural Resources Management

Exploration of varied career opportunities; career and program planning advisement; professional values and requirements; exposure to professionals in field. 2 lab/discussion/demonstration. Credits 1

NRM 210 - Methods in Natural Resources Management

Introduction to the data collection, analysis and presentation techniques used in Natural Resources Management. 3 Lecture, 3 Lab. Credits 4

NRM 320 - Soil Conservation

Preservation, improvement, and utilization of soil resources for environmental management and productivity. 2 Lecture, 2 Lab. Prerequisites NRM 210, or permission of instructor. Credits 3

NRM 330 - Introduction to Wildlife Ecology and Management

Presents foundations of wildlife ecology and management. Topics include history and legislation, population dynamics, habitat, conservation, and sampling techniques. 2 Lecture, 2 Lab. Prerequisites NRM 210 or NRM 340, or permission of instructor. Credits 3

NRM 340 - Natural Resource Measurements

Basic land, climatic, hydrologic, and vegetative measurements used in resource management. 3 Lecture, 2 Lab. Credits 4

NRM 344 - Applied Geographic Information Systems

Application of geographic information systems to the study, conservation and management of natural resources. Independent project required. Prerequisites GEOG 221. Credits 4

NRM 351 - Forest Ecology
The study of forests as integrated ecological systems; energy transfer; nutrient cycling; communities; succession; disturbance; and their roles in productivity and management. 2 Lecture, 2 Lab. Prerequisites: NRM 210 or permission of instructor. Credits: 3

**NRM 352 - Forest Resource Measurements**

Principles of applications in measuring forest resources. Measurements of trees and stands for volume, quality, growth, land areas, and other forest resources. 2 Lecture, 2 Lab. Prerequisites: NRM 210. Credits: 3

**NRM 371 - Landscape Ecology**

The causes, development, quantification, and ecological consequences of spatial patterning on the landscape. Importance of scale; organism response to landscape patterns; natural- and human-caused disturbance. Prerequisites: NRM 221 or permission of instructor. Credits: 3

**NRM 389 - Cooperative Education in NRM**

See Cooperative Education Program. Credits: 1 or 3, R15

**NRM 420 - Soil Genesis and Classification**

Students will study the formation and classification of soils and relate their importance to resource management. 2 Lecture, 2 Lab. Credits: 3

**NRM 440 - Integrated Resources Management**

Natural resources management exercises; project and strategic planning; map and quantitative integration techniques; group dynamics. 2 Lecture, 4 Lab. Prerequisites: NRM 210, NRM 442, or permission of instructor. Credits: 4

**NRM 442 - Natural Resources Policy and Administration**

Policy and administrative principles; case studies on the evolution of policy in the United States; current issues. Prerequisites: Junior standing or permission of instructor. Credits: 3

**NRM 444 - Applied Geographic Information Systems**

Enhances knowledge in the areas of data capture, database management, spatial analysis, and cartographic display. Project-based course capitalizing on the benefits of experiential learning. 3 Lecture, 3 Lab. Prerequisites: 344 or permission of instructor. Credits: 4

**NRM 451 - Foundations of Silviculture**

Principles of silviculture and their applications to the major forest types of the United States. Site and management requirements of important tree species. 3 Lecture, 2 Lab. Prerequisites: NRM 210, 351, or permission of instructor. Credits: 4

**NRM 452 - Forest Management**

Principles of forest management at stand and forest levels; forest growth, regulation, harvesting, and multiple-use
management. 3 Lecture, 2 Lab. Prerequisites NRM 210, or permission of instructor. Credits 4

NRM 460 - Watershed Management

Principles of watershed management for analysis and control of water yield, timing, and quality in single- and multiple-use situations. 2 Lecture, 2 Lab. Prerequisites NRM 210 or permission of instructor. Credits 3

NRM 472 - Geospatial Analysis

Integrative, interdisciplinary investigation into ecosystem habitats. Biophysical interactions and extrapolation of community to landscape level analysis. 3 Lecture, 2 Lab. Prerequisites NRM 344, GEOG 324, or permission of instructor. Credits 4

NRM 480 - Independent Study

Independent Study. Prerequisites NRM major and permission of instructor. Credits 1-3, R6

NRM 483 - Applications in Forest Management

Students will participate in actual forest management activities in order to gain practical, hands-on experience in the design and implementation of forest management treatments. S/U grading. Credits 1-3, R6

NRM 493 - Topics in NRM

Topics in NRM. Prerequisites Permission of instructor. Credits 1-4, R12

Nursing

NSG 101 - Introduction to Professional Nursing

Introduction to Professional Nursing. Introduces pre-licensure students to essential competencies for nursing. 1 Lecture. Prerequisites Required prerequisite for subsequent nursing courses with a required minimum grade of 3.0 (B). Credits 1

NSG 301 - Professional Transitions in Nursing

The development of the profession and of professional nurse roles and the processes through which they are conducted. Corequisites NSG 398 and NSG 399. Credits 3

NSG 302 - Community Health Nursing I: Theory

Concepts of population-focused nursing practice; protection and promotion of health for individuals, families, communities and aggregates. Corequisites NSG 305 and NSG 384. Credits 3

NSG 303 - Spiritual Dimensions of Nursing

Meaning of spirituality from multiple perspectives and historical relationships with nursing explored. Credits 3

NSG 304 - Stress Management and Health for the Caregiver

Designed for health professionals, students in health professions and other caregivers to learn stress management and self-care. Credits 3
NSG 305 - Community Health Nursing III: Intervention Project

Community assessment, planning and intervention for health promotion in population-focused nursing practice. **Prerequisites** NSG 302 and NSG 384. **Credits** 1

NSG 306 - Exploration of Complementary and Alternative Healthcare

Exploration of complementary and alternative healthcare technologies and methodologies. **Credits** 3

NSG 310 - Foundations of Nursing

Fundamental nursing concepts and processes essential to promoting health and maintaining wellness. Focuses beginning practitioner on care across the lifespan. **Prerequisites** Admission to the major. **Corequisites** NSG 311. **Credits** 4

NSG 311 - Foundations of Nursing Practicum

Application of fundamental nursing concepts. The nursing role is explored within the context of individual, family, and community health. **Prerequisites** Admission to the major. **Corequisites** NSG 310. **Credits** 3

NSG 312 - Nursing Assessment thru the Lifespan

Professional nursing observation and physical assessment of the individual in healthcare delivery systems. Basic systematic assessment skills used within the nursing process framework. **Prerequisites** Admission to the major. **Corequisites** NSG 311. **Credits** 3

NSG 313 - Pharmacotherapeutics in Nursing

Effects of chemicals used in the prevention, diagnosis, and treatment of disease. Emphasis on safe application of basic pharmacotherapeutic knowledge. **Prerequisites** Admission to major. **Corequisites** NSG 311. **Credits** 2

NSG 314 - Nursing Informatics

Introduction of the synergistic use of nursing knowledge, information and computer sciences unique to nursing informatics. Explores impact on practice and patient centered care. **Prerequisites** Admission to major. **Corequisites** NSG 311. **Credits** 1

NSG 315 - Nursing Ethics and Health Policy

Overview of professional issues and ethics in nursing and healthcare: exploration of health policies impacting nursing practice and healthcare. **Prerequisites** Admission to the program. **Corequisites** NSG 310. **Credits** 2

NSG 320 - Concepts of Adult Nursing

Continuation of nursing process with emphasis on nursing science applicable to adults experiencing acute and chronic alterations in health. **Prerequisites** NSG 310, 311, 312, 313. **Corequisites** NSG 321. **Credits** 4
NSG 321 - Adult Nursing Practicum

Continued practical application of nursing process with emphasis on nursing science applicable to individuals experiencing acute and chronic alterations in health. **Prerequisites** NSG 310, 311, 312, 313. **Corequisites** NSG 320. **Credits** 4

NSG 322 - Concepts of Geriatric Nursing

Overview of nursing science specific to care of the aging older adult with emphasis on complex physiologic, emotional and spiritual patient needs. **Prerequisites** Admission to the Nursing Program. **Corequisites** NSG 310 and 311. **Credits** 2

NSG 323 - Pharmacotherapeutics in Nursing II

Continued exploration of effects of chemicals used in the prevention, diagnosis, and treatment of disease. Incorporation of patient teaching and application of pharmacotherapeutic knowledge. **Prerequisites** NSG 313. **Credits** 2

NSG 324 - Evidence Based Nursing Practice

Introduction to the intellectual skills needed to identify, conduct, report and critique nursing research. **Prerequisites** NSG 310, 311, 314. **Corequisites** NSG 320 and 321. **Credits** 2

NSG 327 - Essentials of Baccalaureate Nursing I

This course explores five of nine essential components key to a baccalaureate level nursing education as outlined by the American Association of Colleges of Nursing. **Prerequisites** Successful completion of 1st three years of RIBN program and NCLEX-RN. **Corequisites** NSG 302, 305, 322, 384. **Credits** 4

NSG 328 - Essentials of Baccalaureate Nursing II

This course explores four of the nine essential components key to baccalaureate level nursing education as outlined by the American Association of Colleges of Nursing. **Prerequisites** NSG 327. **Corequisites** NSG 329. NSG 471, NSG 472, NSG 473. **Credits** 3

NSG 329 - Essentials of Baccalaureate Nursing Practicum

This course helps the associate degree-prepared nurse transition to the roles and responsibilities of a baccalaureate-educated nurse through practicum experiences. **Prerequisites** NSG 327. **Corequisites** NSG 328, NSG 471, NSG 472, NSG 473. **Credits** 3

NSG 330 - The Nurse Generalist in the Rural Community Setting

This course supports the development of a rural nurse generalist competent in the assessment and management of population health across diverse specialties, and healthcare delivery environments. **Prerequisites** NSG 301, 398, 399. **Credits** 3

NSG 340 - Basic Nursing Skills
Psychomotor nursing skills, scientific principles, and nursing procedures essential to the assessment and care of patients. 2 Lecture, 3 Lab. Placement: Junior year, fall semester. **Prerequisites** Admission into the nursing major. **Credits** 3

**NSG 341 - Nursing Pharmacotherapeutics I**

Nursing responsibility for pharmacotherapeutic management with emphasis on study of prototype drugs in each of the major drug classifications. **Prerequisites** Admission to the nursing sequence. **Credits** 1

**NSG 342 - Nursing Pharmacotherapeutics II**

Core drug knowledge and client variables are applied to nursing management of drug therapy. **Prerequisites** NSG 341. **Corequisites** NSG 357 and NSG 387. **Credits** 2

**NSG 345 - International Missionary/Volunteer Nursing**

A thorough examination of culture, nursing care, and missionary/volunteer work in a locale outside of the United States. **Credits** 3

**NSG 346 - Pathophysiology for Nursing**

A study of human physiological changes which are the cause or result of pathologic or disease processes. **Prerequisites** BIOL 291/BIOL 292; or Registration by permission of Instructor; Minimum grade of B (3.0) in NSG 101; Students may only repeat the courses once for a total of two attempts. May be taken concurrently. **Credits** 3

**NSG 350 - Dimensions of Professional Nursing**

The development of the profession and of professional nurse roles. 1 Lecture, 1 Seminar. **Prerequisites** Admission to the nursing major. **Credits** 2

**NSG 353 - Nursing Science I**

Fundamental nursing processes and concepts; emphasis on health of clients across the lifespan. 4 Lecture, 1 Seminar. **Prerequisites** Admission to the nursing sequence. **Corequisites** NSG 383. **Credits** 5

**NSG 357 - Nursing Science II**

Concepts of health care, health promotion, illness care, and nursing roles in adult health acute care settings are presented. **Prerequisites** NSG 340, 341, 350, 353, 383. **Corequisites** NSG 342, 387. **Credits** 4

**NSG 360 - Health Care of Women**

Review of women’s health care, the functions of women’s bodies, and personal responsibility for health. **Credits** 2

**NSG 383 - Clinical Practicum I**

Application of psychomotor skills, interpersonal and nursing processes to the care of individuals; emphasis on the nursing role in health maintenance. S/U grading. 12 Lab. **Prerequisites** Junior
standing. Corequisites NSG 353. Credits 4

NSG 384 - Community Health Nursing II: Practicum

Application of wellness concepts and health promotion in the nursing care of families and other groups in community settings. S/U grading. 6 Lab. Corequisites NSG 302, 305. Credits 2

NSG 387 - Clinical Practicum II


NSG 389 - Cooperative Education in Nursing

See Cooperative Education Program. Prerequisites NSG 355. Credits 1 or 3, R15

NSG 393 - Topics in Nursing

Topics in Nursing. Prerequisites Permission of instructor. Credits 1-4, R12

NSG 398 - APA Writing Style and Format

Writing style and formatting as outlined in the Publication Manual of the American Psychological Association. S/U grading. Prerequisites Permission of instructor. Credits 1

NSG 399 - Clinical Update for RN's

Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. Prerequisites NSG 301, 398. Credits 2

NSG 405 - Gerontological Nursing

The aging process, health assessment, and promotion in the aged; identification of frequent alternations in health and appropriate nursing interventions. Prerequisites Permission of instructor. Credits 1-3

NSG 406 - Critical Care Nursing

Application of nursing process to the care of the critically ill patient. Combines web-based instruction and on-campus simulation lab experiences. Corequisites NSG 468. Credits 2

NSG 408 - Perspectives in International Nursing Leadership

A comprehensive exploration of global nursing issues within a travel study opportunity to collaboratively build leadership skills and establish learning partnerships. Prerequisites Permission of instructor. Credits 3

NSG 410 - Concepts of Adult Nursing II

Continuation of nursing process with emphasis on nursing science applicable to adults experiencing acute alterations in health. Prerequisites NSG 320 and 321. Corequisites NSG 411. Credits 4

NSG 411 - Adult Nursing II Practicum
Continued application of nursing process with emphasis on nursing science applicable to individuals experiencing acute and chronic alterations in health. **Prerequisites** NSG 310 and 311. **Corequisites** NSG 410. **Credits** 4

**NSG 412 - Concepts of Maternal/Child Nursing**

This course is a continuation of the nursing process with emphasis on the nursing art and science applicable to the childbearing and childrearing family. **Prerequisites** NSG 320 and 321. **Corequisites** NSG 413. **Credits** 4

**NSG 413 - Maternal/Child Nursing Practicum**

Application of nursing process with emphasis on the nursing science of childbearing and childrearing concepts. **Prerequisites** NSG 320 and 321. **Corequisites** NSG 412. **Credits** 3

**NSG 414 - Advanced Technology & Pharmacotherapeutics**

This course is designed to increase knowledge of and ability to apply advanced pharmacology and technology to nursing practice. **Prerequisites** NSG 310, 311, 313 and 323. **Corequisites** NSG 410 and NSG 411. **Credits** 1

**NSG 420 - Synthesis of Nursing Concepts**

Synthesis of program outcomes for transition into nursing practice as a graduate nurse. **Corequisites** NSG 421. **Credits** 2

**NSG 421 - Synthesis of Nursing Practicum**

Application of program outcomes for transition into professional practice as a graduate nurse. **Corequisites** NSG 420. **Credits** 3

**NSG 422 - Concepts of Community/Mental Health Nursing**

Integration of concepts of community and mental health nursing. **Prerequisites** NSG 410, 411, 412, 413 and 414. **Corequisites** NSG 423. **Credits** 4

**NSG 423 - Community/Mental Health Nursing Practicum**

Application of the art and science of nursing specific to patients in community/mental health settings. **Prerequisites** NSG 410, 411, 412, 413 and 414. **Corequisites** NSG 422. **Credits** 4

**NSG 424 - Concepts of Nursing Leadership in Management**

Integrates concepts of nursing leadership and management. Overview of concepts and skills of dynamic and creative leadership and management for high quality patient centered nursing. **Prerequisites** NSG 410, 411, 412, 413 and 414. **Corequisites** NSG 421. **Credits** 2

**NSG 430 - Ethics, Law and Health Policy**

Topics in Nursing. **Prerequisites** Permission of instructor. **Credits** 3

**NSG 433 - Patient Education**
Practice of patient education, standards and guidelines for patient education, specific areas and settings for patient education. Credits 3

NSG 460 - Nursing Leadership I: Theory

Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings. Prerequisites NSG 483, 484. Credits 3

NSG 461 - Basic Nursing Leadership and Management

Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings for the Pre-licensure nursing student. Prerequisites Permission of instructor. Credits 2

NSG 466 - Nursing Science III

Application of the nursing process for complex client models, including the childbearing family, the child and family, and the mentally ill client. Prerequisites NSG 357, 387. Corequisites NSG 486. Credits 6

NSG 468 - Nursing Science IV

Concepts of health care, health promotion, illness care, and nursing roles for clients with complex health care needs. Prerequisites NSG 357 and 387. Corequisites NSG 488. Credits 5

NSG 470 - Nursing Research

Research design in the study of nursing problems; interpretation of research emphasized. Prerequisites Permission of instructor. Credits 2

NSG 471 - Nursing Research I: Research Process

Research design in the study of nursing problems; research process emphasized. Corequisites NSG 472, 473. Credits 2

NSG 472 - Nursing Research II: Critical Reading

Research design in the study of nursing problems; critical reading emphasized. Prerequisites Permission of instructor. Corequisites NSG 471, 473. Credits 2

NSG 473 - Nursing Research III: Clinical Application

Research design in the study of nursing problems; clinical application emphasized. Prerequisites Permission of instructor. Corequisites NSG 471, 472. Credits 2

NSG 476 - Advanced Concepts and Issues for Nursing Practice

Analysis of advanced concepts and issues as they relate to nursing practice in complex health care environments. Credits 2

NSG 478 - Intermediate Physical Assessment

Focus on developing assessment skills for conducting a health status examination on the adult client. Prerequisites Registered nurse or senior nursing student. Credits 4
NSG 479 - Global Health Issues in Infancy Childhood
Examination of selected global health issues in children from infancy to adolescence. **Credits 2**

NSG 480 - Independent Study
S/U grading. **Prerequisites** Permission of instructor. **Credits 1-3, R6**

NSG 482 - Readings in Nursing
Readings in Nursing. **Prerequisites** Permission of instructor. **Credits 3**

NSG 483 - Nursing Leadership II: Practicum
Application of management principles in the care of clients with complex health problems through the study of leadership. S/U grading. 6 Lab. **Corequisites** NSG 460, 484. **Credits 2**

NSG 484 - Nursing Leadership III: Intervention Project
Nursing leadership and management assessment, planning, analysis, and intervention plan for selected site of student’s choice. **Corequisites** NSG 460, 483. **Credits 1**

NSG 486 - Clinical Practicum III
Application of nursing strategies to the care of the child-bearing family, the child and family, and the mentally ill client. S/U grading. 12 Lab. **Prerequisites** NSG 357, 387. **Corequisites** NSG 466. **Credits 4**

NSG 488 - Clinical Practicum IV
Care of populations with complex health care needs, with focus on illness prevention and health promotion. **Prerequisites** NSG 357 and 387. **Corequisites** NSG 468. **Credits 6**

### Nutrition and Dietetics

**ND 190 - Personal Nutrition**
Basic research-based nutrition concepts applied to assessment and adjustment of personal nutrition habits; critical evaluation of nutrition information and influences on dietary patterns. **Credits 3**

**ND 239 - Dietetics as a Profession**
Introduction to professional ethics, conduct in-patient care, structure of the American Dietetic Association, and current issues in the profession of dietetics. **Credits 1**

**ND 300 - The Science of Nutrition**
An introduction to the principles of a healthful diet and weight control in comparison to current trends in eating behaviors and food production. Three in-class laboratory sessions during four 75-minute class periods. **Credits 3**

**ND 301 - Food Science Lab**
Food Science Lab to accompany Food Science Lecture, ND 331. **Corequisites** ND 331. **Credits 1**

**ND 303 - Quantity Food Production Lab**
Quantity Food Production Lab to accompany Quantity Food Production,
ND 333. Corequisites ND 333. Credits 1

ND 304 - Nutritional Assessment Lab
Nutritional Assessment Lab to accompany Nutritional Assessment Lecture, ND 334. Corequisites ND 334. Credits 1

ND 310 - Food, Nutrition, and Culture
Exploration of the role of cultural diversity in formation of food habits with focus on changes in U.S. dietary patterns related to global cultural plurality. (P6). Credits 3

ND 325 - Research Methods in Nutrition
An overview of research methodologies and evidence analysis techniques that form the basis of evidence-based practice guidelines in nutrition and dietetics practice. Prerequisites MATH 170, ND 330. Credits 3

ND 330 - Human Nutritional Needs
Principles of nutrition including digestion, requirements of nutrients, dietary adequacy, factors affecting food choices, and roles of nutrition in physical fitness and health maintenance. Credits 3

ND 331 - Food Science
Scientific principles of food preparation; effect of preparation practices on food quality and nutrient retention; storage and preservation principles. Prerequisites ND major.

ND 330 and BIOL 313. Corequisites ND 301. Credits 3

ND 333 - Quantity Food Production
Application of principles of food preparation in large quantities; use of institutional equipment and procedures; introduction to institutional food service production management techniques. Prerequisites ND 331. Corequisites ND 303. Credits 2

ND 334 - Nutritional Assessment
Nutritional assessment of individuals using demographic, biochemical, anthropometric, and dietary parameters. Prerequisites ND 330, BIOL 293, CHEM 133 and a nutrition major. Corequisites ND 304. Credits 2

ND 335 - Nutrition Through the Life Cycle
Application of nutrition principles during different stages of the life, including preconception, pregnancy, lactation, infancy, preschool years, middle childhood, adolescence, adulthood and late maturity. Prerequisites ND 330. Credits 3

ND 338 - Normal and Therapeutic Nutrition
Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy. Prerequisites BIOL 291, CHEM 133. BIOL 292 prenursing major. Corequisites BIOL 292 prenursing major. Credits 3
ND 340 - Community Nutrition
Application of nutrition principles to planning funding implementation, monitoring and evaluation of community nutrition programs and activities. **Prerequisites** ND 330. **Credits** 3

ND 342 - Nutrition in Athletics
Students will learn to integrate basic concepts of nutrition, energy metabolism and exercise physiology to understand nutritional requirements in exercise. **Prerequisites** ND 330 or HSCC 150; only for students accepted into Athletic Training program. **Credits** 3

ND 350 - Adv Human Nutrition I
Normal nutrition in relation to biochemical and physiological functioning of macronutrients and their interrelationships in energy balance. **Credits** 3

ND 351 - Advanced Human Nutrition II
Normal nutrition in relation to biochemical and physiological functioning of vitamin and mineral; interrelationship with health and disease. **Prerequisites** ND 350. **Credits** 3

ND 389 - Cooperative Education in Nutrition
See Cooperative Education Program. **Credits** 1 or 3, R15

ND 406 - Nutrition Interviewing and Counseling Lab
Nutrition Interviewing and Counseling Lab to accompany ND 436 Nutrition Interviewing and Counseling. Application of motivational interviewing and other counseling techniques used to promote dietary change in individuals. **Prerequisites** ND 335. **Corequisites** ND 436. **Credits** 1

ND 410 - Study Abroad: A Global Perspective in Nutrition
Exploration of the health, culture, and other influences of the traditional diet in a variety of international settings. **Prerequisites** Permission of instructor. **Credits** 3

ND 420 - Community Nutrition I
Federal, state and local community nutrition programs and policies, application of techniques used to conduct a community nutrition needs assessment. **Prerequisites** ND 335. **Credits** 3

ND 422 - Community Nutrition II
Principles of nutritional epidemiology as applied to national, state, and local nutrition policy; application of nutrition education in the development, implementation, and evaluation of community nutrition programs. **Prerequisites** ND 420. **Credits** 3

ND 432 - Institutional Food Service Management I
Functions of management applied to food service systems; emphasis on food service equipment, layout and design, menu development, procurement, and
production management. **Prerequisites** ND 333 and a nutrition major. **Credits** 3

**ND 435 - Institutional Food Service Management II**

Principles of food service management related to management theories and techniques, time management skills, delegation and negotiation skills, communication skills, personnel management, financial management, and ethics. **Prerequisites** ND 432. **Credits** 3

**ND 436 - Nutrition Interviewing and Counseling Skills**

Basic interviewing and counseling principles and strategies with application for promoting successful lifestyle and nutrition changes. **Prerequisites** ND 335. **Corequisites** ND 406. **Credits** 2

**ND 439 - Introduction to Professional Practice**

Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management. **Prerequisites** Permission of the instructor or nutrition major. **Credits** 1

**ND 444 - Nutrition Education**

Analysis and application of educational theory and techniques used in nutrition education; skill-building in the design evaluation of nutrition education for diverse audiences. **Prerequisites** ND 334, 340. **Credits** 3

**ND 450 - Nutrition Theory for Health Professionals**

Mechanisms by which diet contributes to maintenance of health, prevention, and treatment of diseases common in public health and community settings. **Prerequisites** ND 330, BIOL 293 and CHEM 133. **Credits** 3

**ND 451 - Medical Nutrition Therapy I**

Mechanisms by which diet contributes to maintenance of health, prevention, and a treatment of diseases of the GI tract, liver disease, and cardiovascular disease. **Prerequisites** Nutrition major and ND 334, ND 336, BIOL 293 and CHEM 133. **Credits** 3

**ND 452 - Medical Nutrition Therapy II**

Mechanisms by which diet contributes to maintenance of health, prevention and treatment of diseases of the GI tract, liver disease, and cardiovascular disease. **Prerequisites** ND 451. **Credits** 3

**ND 453 - Medical Nutrition Therapy Lab I**

Application of the nutrition care process to clinical case studies corresponding to disorders covered in ND 451 - Medical Nutrition Therapy I. **Prerequisites** ND 334. **Corequisites** ND 451. **Credits** 1

**ND 454 - Medical Nutrition Therapy II Lab**

Application of information received in ND 452 - Medical Nutrition Therapy II; enteral and parenteral nutrition support calculations, nutrition assessment,
diagnosis, intervention, monitoring and evaluation of case studies related to critical illness, cancer, and disorder of the gastrointestinal tract, accessory gastrointestinal organs, respiratory and neurological systems. **Prerequisites** ND 451. **Corequisites** ND 452. **Credits** 1

**ND 461 - Nutrition and Dietetics Capstone**

Capstone course designed for student self-appraisal of knowledge, career goals, and interests; application of cumulative academic content to create a professional presentation. **Prerequisites** ND 439. **Credits** 1

**ND 480 - Independent Study in Nutrition**

Independent Study in Nutrition. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**ND 495 - Seminar in Nutrition**

Student presentations on current topics in nutrition. **Prerequisites** ND 436. **Credits** 1

**Parks and Recreation Management**

**PRM 200 - Introduction to Rock Climbing**

This course is designed to introduce and familiarize both novice and intermediate students to the activity of rock climbing – including philosophy, safety, knots, belay techniques, site and equipment selection, and nature/conservation issues. We will utilize a progression from classroom learning to gym climbing at the CRC, to outdoor climbing at local areas in Western North Carolina. Furthermore, students in this course will learn techniques associated with rock climbing, gain knowledge of knots and gear (hardware and soft goods), and learn and demonstrate proper risk management associated with roped climbing. This class is designed with the beginner in mind and no prior experience is necessary. *All climbing will be top rope facilitation. Being comfortable with heights, practicing safe techniques, and physical exertion are necessary, as is participation in all activities to receive a passing grade in this course. **Credits** 2

**PRM 224 - Survey of Outdoor Adventure Activities**

Introduction to various outdoor adventure activities (e.g., hiking, backpacking, overnight camping, cycling, and canoeing) focused on introductory skills necessary to engage in outdoor adventure activities and avoidance of survival situations. Various field trips to local natural resources allow students to become oriented to some of the nearby natural resources and learn various outdoor adventure pursuits. **Credits** 2-4

**PRM 250 - Foundations of Parks and Recreation Management**

Concepts, philosophical orientations, and aspects of recreation, play, and leisure; the organization of leisure and recreation as a service and profession. **Credits** 3

**PRM 252 - Wilderness First Aid**
This course focuses on developing first aid skills to respond quickly to a sick or injured person until more advanced care is available. 1 Lecture, 1 Lab. **Credits 2**

**PRM 254 - Introduction to Outdoor Pursuits Education**

Instructional techniques for outdoor pursuits. Back country characteristics are reviewed in terms of hazards, use ethics, and safety. 2 Lecture, 2 Lab. **Credits 4**

**PRM 255 - Active Recreation and Leisure**

Active Recreation & Leisure will offer an exploration of active leisure pursuits and the connection between parks, recreation, physical activity, wellness, and public health. The course will prepare future professionals to lead, supervise, or program active leisure pursuits in a recreation setting. Learning opportunities will be experiential, engaging, cooperative, participatory, and applicable to the active recreation, leisure, and community health fields. **Credits 3**

**PRM 260 - Professional Planning in PRM**

This course is designed to assist and guide PRM majors in the creation of their experiential transcript. This includes; guiding them through the curriculum requirements of the major, assisting them with the development of professional skills and artifacts, providing opportunities to explore potential internship and career paths, and developing relationships with their peers and the PRM community. **Credits 1**

**PRM 270 - Leadership and Group Dynamics in Recreation**

Emphasis will be on appropriate theories and techniques for specific clientele and the different populations that are encountered as a recreation professional. **Credits 3**

**PRM 275 - Diversity and Inclusion in PRM**

This course seeks to foster diversity and inclusion in parks and recreation management by assisting students in gaining the awareness, understanding, knowledge, and abilities in working with those of a different ability, socio-economic status, gender, and race. Students will gain this understanding, knowledge, and ability through experiential class sessions, guest speakers, collaborative presentations and projects, and field visits. **Credits 3**

**PRM 293 - Topics in Parks and Recreation Management**

Topics in Parks and Recreation Management. **Credits 1-3**

**PRM 300 - Intermediate/Advanced Rock Climbing**

This course will cover top rope site management techniques and will include site evaluation, evaluation of climbing hazard and risk, and minimum impact techniques. Introduction of anchors and rescues specific to top roping and rappelling will be covered. The student will develop a solid
understanding of anchoring, belaying, rappelling, and basic partner rescues, as well knowledge related to the safety and management of top rope sites. (Please note that this is not a certification course). Prerequisites 200 or permission of instructor. Credits 3

PRM 310 - Stand Up Paddling

Introduction, practice, and successful execution of the skills needed to enjoy stand up paddle boarding. The course includes content information delivered through active participation, online learning modules, and small group discussions; on and off the water. Water venues for this course will include a variety of lakes and rivers in Western North Carolina. Water venues will be dependent upon weather factors, water levels, time constraints, student interest and fitness levels. At the end of the course, students will be able to effectively stand up paddle on calm, flat water, with less than 10-knot winds or in one-foot waves or smaller, or in one-to-two knot current utilizing a variety of strokes. They will also be able to safely plan stand up paddle trips to a variety of local lakes and rivers. Credits 3

PRM 313 - Camp Counseling

This course is designed to prepare students for positions as camp counselors and provides the foundations for further preparation toward camp administration. Credits 3

PRM 314 - Organization and Administration of Camping Agencies

The nature of camping; trends; elements of camp design and management. Credits 3

PRM 321 - Interpretation and Environmental Education

Theory and principles of interpretation and environmental education as an interdisciplinary approach to learning in an outdoor setting. Credits 3

PRM 330 - Aquatic Recreation Management

Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification. This course is cross-listed with SM 330. Credits 3

PRM 333 - Outdoor Instruction

Teaching techniques for outdoor instructors. Participation in a multi day field trip is required where teaching skills will be applied as a lab. Prerequisites PRM 254. Credits 4 (3 lecture and 1 lab credit)

PRM 340 - Challenge Course Facilitation

Behavior change, instruction, and personal growth taught in a challenge course setting. Includes operation of a ropes course, facilitation of activities, course technology and safety. Credits 3

PRM 352 - Beginner/Intermediate Whitewater Kayaking

This course is designed to give the student confidence and skill in
whitewater and flat water kayaking and to provide an environment where students enjoy paddling and gain an appreciation and respect for a whitewater environment. **Strong swimming ability is required for participation.**

**Prerequisites** PRM 254 or permission of instructor. **Credits 3**

**PRM 353 - Beginning/Intermediate Whitewater Canoeing**

This course focuses on the technical skills, risk management, ethics, communication, cooperation necessary to maneuver tandem and solo canoes in both flat and Class I/II whitewater. This course also seeks to encourage the philosophy that safety and success in tandem and solo flat and whitewater canoeing require more than the requisite technical skills for those paddling styles. Therefore, students will be encouraged to view those paddling styles as an interaction with others, which necessitates the employment of certain traits and ethics in addition to the technical skills previously mentioned. *No certification is offered. Swimming skills are required.** **Credits 3**

**PRM 354 - Outdoor Living and Expedition Skills**

This course provides students with the information and skills necessary to be safe, comfortable, and environmentally sound while traveling and living in an outdoor environment. Emphasis is on foundational skills including route finding, injury prevention, minimum impact camping, expedition planning and organization, shelter construction and backcountry cooking. This course is intended to be a basic outdoor living and expedition skill course for those intending to lead others in a wilderness setting. This course will not make you an accomplished outdoor leader, but hopefully will give you helpful experience and information to build upon. You do not need previous outdoor experience to take this course. Course includes a required 4-day backpacking trip. **Prerequisites** 254 or permission of instructor. **Credits 3**

**PRM 356 - Outdoor First Aid**

Training for outdoor professionals to administer comprehensive first aid in remote areas; possible certification through the National Ski Patrol for Winter Emergency Care and CPR. 2 Lecture, 2 Lab. **Credits 4**

**PRM 357 - Wilderness First Responder**

This course trains participants to respond to emergencies in remote settings. The 80-hour curriculum includes standards for urban and extended care situations. Special topics include but are not limited to: wound management and infection, realigning fractures and dislocations, improvised splinting techniques, patient monitoring and long-term management problems, plus advice on drug therapies. Adult/Child Cardiopulmonary Resuscitation (CPR) with Automated External Defibrillation (AED) is included in this course. **Credits 4**

**PRM 360 - Recreation Research**

An analysis of the principle methods of recreation research, the application of descriptive and inferential statistics to recreation research, and the
development of a research proposal. **Credits 3**

**PRM 361 - Program Planning and Evaluation in PRM**

Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included. 3 Lecture, 1 Lab. **Prerequisites PRM 250. Credits 4**

**PRM 370 - Capstone Internship Orientation**

Orientation to the capstone internship selection process and requirements; preparation of personnel records, applications, resumes, cover letters, and agency contracts. Preparation for entry into the profession; interview and application techniques. **Prerequisites PRM 260 or Permission of instructor. Credits 1**

**PRM 383 - Mini-Internship I in PRM**

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to complete three mini-internships of 50 hours each (PRM 383, 384, 385). S/U grading. **Credits 1**

**PRM 384 - Mini-Internship II in PRM**

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to complete three mini-internships of 50 hours each (PRM 383, 384, 385). S/U grading. **Credits 1**

**PRM 385 - Mini-Internship III in PRM**

The mini-internship (50 hours) provides students with exposure to various areas of professional practice within PRM and helps prepare students for their capstone internship. Students are required to complete three mini-internships of 50 hours each (PRM 383, 384, 385). S/U grading. **Credits 1**

**PRM 385 - Mini-Internship III in PRM**

**PRM 425 - Land-Based Outdoor Pursuits Education**

Land-based outdoor instruction in mountain activities, caving, and rescue techniques; includes institutional teaching techniques used by different agencies and adaptations for people with disabilities. 2 Lecture, 2 Lab. **Prerequisites PRM 254 or permission of instructor. Credits 3**

**PRM 426 - Water-Based Outdoor Pursuits Education**

Water-based outdoor instruction in canoeing, kayaking, rafting, and rescue techniques; includes institutional teaching techniques used by different agencies and adaptations for people with disabilities. 3 Lecture, 2 Lab. **Prerequisites PRM 254 or permission of instructor. Credits 4**

**PRM 427 - Wilderness Education**

An expedition style course, leader decision-making is taught through backpacking, mountaineering, and canoeing. National certification is possible through the Wilderness
Education Association. Eight or sixteen day expedition.**Credits** 3-6

**PRM 430 - Entrepreneurship and Commercial Recreation**

Analysis of types of commercial and private recreation enterprises, probable trends and directions, requirements and procedures for planning and organizing commercial recreation services.**Prerequisites** PRM 361 or Permission of Instructor.**Credits** 3

**PRM 433 - Outdoor Recreation**

An overview of the professional aspects of outdoor recreation, including classification systems, policies of management agencies, and the perspectives of individuals, non-profit and commercial groups.**Credits** 3

**PRM 434 - High Adventure Travel and Outfitting**

Practical experience in creation, planning, logistics, execution, and evaluation of adventure travel. Overview of history, development, organization, impacts and trends. 2 Lecture, 2 Lab.**Credits** (3)

**PRM 435 - Park and Recreation Sites, Facilities, and Programs**

Planned tour to study specific types of parks and recreation sites, facilities, and/or programs related to current issues and practices. 1 Lecture or 2 Lab per credit hour.**Credits** 1-6, R6

**PRM 454 - Expedition Management and Leadership**

A wilderness leadership course which offers instruction in expedition leadership and management skills such as judgment and decision-making, group management, route and ration planning, land navigation, teaching and facilitation techniques, and risk management. Emphasis is on professional outdoor leadership development. Course includes a required expedition. The expedition will involve living, traveling and developing skills in a remote wilderness setting. (3 Lecture, 1 Lab).**Prerequisites** PRM 254 or permission of instructor.**Credits** 4

**PRM 461 - Management and Administration of PRM Services**

Management, organization, and supervision in recreation and leisure service administration. Includes entre/intrapreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research.**Prerequisites** PRM 361 or permission of instructor.**Credits** 3

**PRM 480 - Independent Study**

Independent Study.**Prerequisites** Permission of program coordinator.**Credits** 3, R6

**PRM 483 - Capstone Internship in PRM I**

The capstone internship in Parks and Recreation Management (PRM) is a culminating professional experience that allows students to connect theory and practice. Students select an agency and position that represents their focus area of study in PRM. Students are able to build a professional network, focus
their aptitude for certain types of work and develop transferable skills that can be applied to a new or existing job. Minimum 200 contact hours. PRM 483 is usually taken in conjunction with PRM 484 Capstone Internship II to complete the required, 400-hour internship. **Prerequisites** PRM 370. **Credits** 3

**PRM 484 - Capstone Internship in PRM II**

The capstone internship in Parks and Recreation Management (PRM) is a culminating professional experience that allows students to connect theory and practice. Students select an agency and position that represents their focus area of study in PRM. Students are able to build a professional network, focus their aptitude for certain types of work and develop transferable skills that can be applied to a new or existing job. Minimum 200 contact hours. PRM 484 is usually taken in conjunction with PRM 483 Capstone Internship in PRM I to complete the required, 400-hour internship. **Prerequisites** PRM 370. **Credits** 3

**PRM 485 - Internship in Parks and Recreation Management**

Placement in a cooperating agency to relate classroom learning to practice. S/U grading. Nine hours per week per course. **Credits** 3

**PRM 486 - Field Experience**

Field experience in cooperation with existing programs such as North Carolina Outward Bound School and Nantahala Outdoor Center. 1-12

Lab. **Prerequisites** Permission of instructor. **Credits** 1-12

**PRM 493 - Topics in Parks and Recreation Management**

1 Lecture, 2 Lab. **Prerequisites** Permission of program coordinator. **Credits** 1-3, R6

**PRM 495 - Senior Seminar in Parks and Recreation Management**

This class is the designated capstone senior seminar course for students majoring in Parks & Recreation Management. The course will focus on contemporary trends and issues facing parks and recreation professionals and related career preparation. Students will demonstrate the ability to effectively use scholarly resources to develop a research paper and presentation on a current trend/issue in the profession, culminating in a student-designed and facilitated research conference. **Prerequisites** PRM 361. **Credits** 3

**Philosophy and Religion**

**PAR 101 - Western Philosophical Traditions**

Introduces students to thinkers foundational to liberal arts education who pursue the examined life, inquiring into human existence, knowledge and moral goodness. (P4). **Credits** 3

**PAR 102 - Western Moral Traditions**

The study of historical theories of virtue, duty and the common good, along with moral education; and contemporary moral dilemmas (e.g.,
abortion, animal rights, genetic engineering). (P4). Credits 3

PAR 145 - Eastern Religious Traditions

Historical, political, and theological contexts in which the major religious traditions of the East (Buddhism, Confucianism, Hinduism, Taoism) developed, with attention to distinctive ethical principles. (P6). Credits 3

PAR 146 - Western Religious Traditions

Historical, political, and theological contexts in which the major religious traditions of the West (Judaism, Christianity, Islam) developed with attention to noted ethical principles. (P4). Credits 3

PAR 190 - Freedom, Culture, and Utopia

Study of classic utopian visions of ideal societies, along with criticisms arising from the implications for human freedom in such communities. 3 Seminar. Credits 3

PAR 201 - Philosophy of Sex and Love

An examination of key conceptual and ethical questions concerning love and sex. Is love really essential to a good life? What defines sexual perversion? (P4) Credits 3

PAR 230 - Legal, Scientific, & Critical Reasoning

Argument analysis; validity, strength, soundness of deductive and inductive arguments; logical fallacies; practical uses of critical reasoning in legal, scientific, and ethical case studies. Credits 3

PAR 250 - Origins of Early Christian Traditions

Study of the historical events, processes, and key persons involved in the emergence of the early Christian church, stressing philosophical-theological disputes forming early Christianity. (P4). Credits 3

PAR 251 - Understanding Islamic Traditions

The religious history of Islam, the beliefs and practices of Muslims, Islamic mysticism, the vitality of Islam, contemporary tensions and interpretations. (P6). Credits 3

PAR 260 - Women and Religion

Study of women's narratives and visions-feminist theologians, women mystics, female writers-as they reflect on spiritual life, marginalization, moral imagination, and community. (P6). Credits 3

PAR 295 - Self, Society, & the Good Life

An intensive seminar teaching the skills of research and writing in the humanities, while studying theories and problems of the good life. Credits 3

PAR 304 - Ancient Greek Thought

Ancient Greek thinkers that founded the Western liberal arts traditions, first raising central questions about human
excellence, knowledge, justice, power, and historical meaning. (P4). Credits 3

**PAR 306 - Early Modern Philosophy from Copernicus to Kant**

Rejecting authority of tradition, rationalists, and empiricists, like Rene Descartes and Francis Bacon, inaugurate modern natural science by demanding new methods and principles of reasoning. (P4). Credits 3

**PAR 307 - From Existentialism to Feminism**

Philosophical ideal of freedom as found in German Idealism and Romanticism, and its subsequent development and critique in Marxism, existentialism, postmodernism, and feminism. (P4). Credits 3

**PAR 309 - Philosophy In and Of Film**

Philosophical ideas in film; philosophical ideas about film and about the interpretation of film. (P4). Credits 3

**PAR 310 - Philosophy of Art**

Consideration of ways of making reflective claims about art; emphasis on development of a personal viewpoint. Credits 3

**PAR 312 - Philosophy of Religion**

Selected topics, such as proofs for the existence of God, immortality, the problem of evil, and the nature of religious belief, action, and experience. (P4). Credits 3

**PAR 313 - Philosophy of Law**

The nature of law and legal reasoning; classical and modern theories of law; law, freedom of expression, equality, justice, and responsibility explored through case studies. (P4). Credits 3

**PAR 315 - Philosophy of Mind**

A survey of the major philosophical theories of mind, and a study of some select moral and social scientific implications of those theories. (P4). Credits 3

**PAR 320 - Philosophical and Religious Classics**

An exploration of a seminal text or thinker in philosophical or religious thought. (P4). Credits 3, R6

**PAR 323 - Mysticism**

Study of the varied meanings of mysticism in thought, religion, and culture. (P6). Credits 3

**PAR 330 - America’s Wilderness Ethics and Aesthetics**

Investigates how the American conception of "wilderness" has evolved and the consequences for wilderness preservation, ecological, and aesthetic appreciation of the wild. (P4). Credits 3

**PAR 332 - Biomedical Ethics and Social Justice**

Ethical theories surrounding autonomy, beneficence, justice, applied to concepts of health, disease, and personhood; patient-provider relationship, life-death issues, health policy, genetic engineering, and biomedical research. (P4). Credits 3
**PAR 333 - Environmental Ethics**

Environmental ethics concerns how humans ought to be related to nature. One question explored is "Do animal and ecosystems have value independent of human needs?" (P4). **Credits 3**

**PAR 342 - Theory and Method in the Study of Religion**

A reflection upon the methodologies (historical, socio-psychological) used in the modern scholarly study of religion, and theories about the origins and nature of religion. (P6). **Credits 3**

**PAR 353 - Religion in Film**

An examination of how religion and the fundamental problems of religious thought have been portrayed in classic and contemporary film. (P6). **Credits 3**

**PAR 354 - Religion, Suffering, and the Moral Imagination**

Exploration of the perennial problems of human suffering and the quest for moral meaning as exemplified in imaginative creations in literature, philosophy, and religious thought. (P6). **Credits 3**

**PAR 356 - Buddhism**

Introduction to the philosophy and practice of Buddhism, considering its various manifestations from different historical periods and geographical locations. (P6). **Credits 3**

**PAR 357 - Hinduism**

Introduction to a range of primary texts and traditional practices important in different Hindu cultures. (P6). **Credits 3**

**PAR 365 - Faith and Reason from Empire to Enlightenment**

Historical-critical study of key texts of medieval Catholic theologians, Anselm and Aquinas, later Scholasticism, Erasmus’ humanism, followed by examination of Reformation theologians, Luther and Calvin. (P4). **Credits 3**

**PAR 366 - Religion and Science**

Study of the conflicts between religious and scientific explanations of reality; examines pivotal cases-Galileo/Church dispute, Darwinism/creationism - for constructive models of religious-scientific dialogue. (P4). **Credits 3**

**PAR 367 - Native American Religions**

An interdisciplinary study of indigenous religious beliefs in North America using anthropological, linguistic, as well as religious studies to study North American Religious traditions. (P6). **Credits 3**

**PAR 380 - Independent Study**

Independent Study. **Credits 1-3, R6**

**PAR 392 - Global Justice, Liberty, and Human Rights**

Discussion of whether global justice can be achieved, in light of political realism, poverty, women's inequities, war, markets, with concern for human liberty and rights. **Prerequisites**
PREQ: Closed to Freshmen 0-24 hours. Credits 3

PAR 393 - Topics in Philosophy and Religion

Topics in Philosophy and Religion. Prerequisites Permission of instructor. Credits 1-3, R6

PAR 404 - Ancient Cynics, Stoics, and Skeptics

Study of the late ancient schools - Epicureans, Stoics, and Skeptics - and their disputes about the proper ends (pleasure, virtue, doubt) to attain human flourishing. (P4). Credits 3

PAR 495 - Seminar in Philosophy and Religion

Seminar in Philosophy and Religion. Prerequisites Six hours in philosophy, excluding 101 and 201, or permission of instructor. Credits 3, R9

Physical Education

PE 101 - Yoga

Adapted yoga postures and breathing; foundations for meditation. 1 Lecture, 2 Lab. Credits 2

PE 102 - Basic Water Safety Skills

Basic water skills; Level III Stroke Readiness; American Red Cross swimming outline. 2 meetings. Credits 1

PE 105 - Water Safety Instructor-Lifeguarding Instructor

American Red Cross training for water safety instructor and lifeguarding instructor certificates. 3 meetings. Prerequisites Life guard certification or permission of instructor. Credits 2

PE 107 - Synchronized Swimming

Creative patterns and movement with music. 2 meetings. Prerequisites PE 103 or equivalent. Credits 1

PE 108 - Canoeing

One 2-hour meeting. Prerequisites PE 103 or equivalent. Credits 1

PE 109 - Karate

Students will practice at their own individual level various techniques and forms to further progress their knowledge and skills. 2 meetings per week. Credits 1

PE 113 - Hiking

Safety and skills for organizing hiking and backpacking trips for small groups; clothing and equipment; map and compass; choosing hiking areas; weekend trips as arranged. 2 meetings. Credits 1

PE 114 - Jogging

Principles and physiological benefits of running and aerobic exercise. 2 meetings. Credits 1

PE 115 - Weight Training
Execution of various lifts; isotonic exercises; related health and safety factors. 2 meetings. **Credits 1**

**PE 118 - Group Exercise**

A physical fitness program utilizing simple routines and exercises. 2 meetings. **Credits 1**

**PE 120 - RAD: Rape Aggression Defense - Basic Self-Defense for Women**

Overview of sexual assault prevention strategies and self-defense techniques for women. **Credits 2**

**PE 122 - Beginning Tennis**

This course is designed to provide a beginning player with basic skills and the knowledge of the strategies and rules of tennis. 2 meetings. **Credits 1**

**PE 123 - Beginning Golf**

This course gives students a conceptual and applicable knowledge of the sport of golf, while developing the necessary physical and mental abilities. 2 meetings. **Credits 1**

**PE 124 - Handball**

One-wall and four-wall handball. 2 meetings. **Credits 1**

**PE 125 - Racquetball**

One-wall and four-wall racquetball. 2 meetings. **Credits 1**

**PE 126 - Bowling**

This course is designed to provide a player with basic skills and the knowledge of the strategies and rules of bowling. 2 meetings. **Credits 1**

**PE 130 - Lifeguard Training**

American Red Cross outline for lifeguarding certificate. 3 meetings. **Credits 2**

**PE 132 - Basketball**

2 meetings. **Credits 1**

**PE 133 - Volleyball**

2 meetings. **Credits 1**

**PE 134 - Softball**

2 meetings. **Credits 1**

**PE 135 - Soccer**

2 meetings. **Credits 1**

**PE 136 - Beginning Disc Golf**

This course will explore techniques, strategies, etiquette, rules, and safety issues of disc golf as a lifetime fitness activity. **Credits 2**

**PE 137 - Beginning Mountain Biking**

This course will explore techniques, strategies, equipment, and safety issues of mountain biking as a lifetime fitness activity. **Credits 1**

**PE 202 - Casting**
Bait, spin, and fly casting; fundamentals and care of equipment. 2 meetings. **Credits 1**

**PE 203 - Snowboarding**

Introduction, practice, and successful execution of the skills needed to enjoy snowboarding. On-snow instruction at local snow resort. Meetings as announced. **Credits 1**

**PE 204 - Alpine Skiing**

Introduction, practice, and successful execution of the skills needed to enjoy alpine skiing. On-snow instruction at local snowpark areas. Meetings as announced. **Credits 1**

**PE 205 - Modern Dance and Choreography**

Dance as an art form and a physical activity; elements of composition for expressive, creative, rhythmic movement. 2 meetings. **Credits 1**

**PE 206 - Social, Line, and Folk Dance**

Skills, control, and poise required in social, line, and folk dances. 2 meetings. **Credits 1**

**PE 207 - Fencing**

2 meetings. **Credits 1**

**PE 215 - Strength and Conditioning**

Execution of various lifts; isotonic exercises; related health and safety factors. **Credits 2**

**PE 228 - Adapted Physical Education**

Remedial and therapeutic activities. 2 meetings. **Prerequisites** Permission of instructor and recommendation of a physician. **Credits 1, R3**

**PE 231 - Aquarobics**

Pool-based non-swimming aerobic activity for all ages and fitness levels. 2 meetings. **Credits 1**

**PE 250 - Elementary School Physical Education Curriculum**

Physical education in relation to the total curriculum. **Credits 2**

**PE 264 - Skill Acquisition**

The course emphasizes skill acquisition in tumbling, gymnastics and swimming. 2 meetings. **Credits 1**

**PE 265 - Sports Officiating I**

Rules, techniques, and mechanics in sports officiating: football, softball, baseball in 265; basketball, volleyball, soccer in 266. **Credits 2**

**PE 267 - Principles of Athletic Coaching**

The role of the athletic coach in the management of an athletic program, and in the supervision and instruction of athletes within an athletic program. **Credits 3**

**PE 300 - Coaching Baseball**

Emphasis is placed on skills of body mechanics, essential technical and tactical skills, organization of a baseball program and evaluation of
performance. Analysis of offensive and defensive strategies, understanding of the rules, and on-field communication will be also emphasized.Credits 2

PE 301 - Coaching Basketball

Survey of basketball coaching techniques, including conditioning, teaching fundamentals, offensive and defensive strategies, team management, planning, rules, and philosophy.Credits 2

PE 302 - Coaching Football

Theory and practice of coaching football, including the understanding of skills and the analysis of offensive and defensive techniques and strategies.Credits 2

PE 303 - Coaching Golf

Methods and techniques of golf coaching. Emphasis will be placed on basic golf skills, the rules of golf, course management, ethics and golf etiquette, high school athletic governance, fitness for golf, how to conduct effective golf practice sessions, and nutrition.Credits 2

PE 304 - Coaching Soccer

Emphasis on development of soccer skills, knowledge of rules, small group/team tactics and positioning of players from beginners to advanced. The combination of skill development, cognitive strategies, and effective planning will prepare the participant for coaching soccer.Credits 2

PE 306 - Coaching Softball

Methods and techniques of coaching softball. Basic rules, strategies, officiating, ethics, governance, fitness, training and nutrition for the sport of softball.Credits 2

PE 307 - Coaching Tennis

Methods and techniques of coaching tennis. Emphasis will be placed on tennis skills, tennis rules, strategies, officiating, ethics and tennis etiquette, governance of high school athletics, how to conduct effective tennis practice sessions, tennis fitness, and nutrition for tennis.Credits 2

PE 308 - Coaching Track and Field

Fundamental technique, teaching strategies, common errors and corrections, assessment, common standards of performance, and safety suggestions for coaching the sport of track and field.Credits 2

PE 309 - Coaching Volleyball

Emphasis on the knowledge, skills, methods, and strategies of volleyball. Physical fundamentals and tactical aspects of volleyball are present.Credits 2

PE 360 - Skills in Promoting Healthful Living

A competency-based course of methods and materials in health, first aid/safety, and physical education for the elementary school program. 2 Lecture, 1 Lab.Credits 1

PE 361 - Physical Education for the Elementary Teacher
A competency-based course of methods and materials in physical education for the elementary school program. 3 per week for 5 weeks. **Credits 1**

**PE 380 - Independent Study**

A topic in health, physical education, or recreation agreed upon by student and instructor. **Prerequisites** ENGL 202; permission of department head. **Credits 1-3**

**PE 383 - Instructional Apprenticeship**

Apprenticeship to develop teaching and leadership skills before student teaching. Three hours per credit hour. **Prerequisites** Physical education major; permission of instructor. **Credits 1, R3**

**PE 389 - Cooperative Education in PE and Sports**

See Cooperative Education Program. **Credits 1 or 3, R15**

**PE 410 - Coaching Baseball and Football**

History, methods, materials, skills, and strategies of coaching baseball and football. **Prerequisites** Junior-level standing. **Credits 3**

**PE 411 - Coaching Basketball, Track, and Field**

Methods, materials, skills, and strategies for women's and men's basketball and track and field. **Prerequisites** Junior-level standing. **Credits 3**

**PE 423 - Biomechanics**

Structure and function of the human muscular system as related to movement in sport and activity. **Prerequisites** BIOL 291 and BIOL 292. **Credits 3**

**PE 493 - Special Topics**

Trends and issues in physical education, sport management, and recreation. **Credits 3, R6**

**Physical Therapy**

**PT 190 - Caring for the Aging Population: Challenges and Solutions**

Investigate issues related to aging and health, including longevity, age-related changes in healthy older people, living arrangements, caregiving, programs for healthier aging, nutrition, financial concerns. **Credits 3**

**PT 400 - Complimentary and Integrative Therapies**

Broad overview of the history, development, terminology, research, and implementation of complimentary and integrative therapies. (P1). **Credits 3**

**Physics**

**PHYS 105 - Contemporary Physics**

A lecture/laboratory integrated course covering some basic subject areas in physics, as well as some historical background. Topics include motion, forces, pressure/fluids, wave motion, nuclear physics, relativity and string
theory, and energy. 3 Lecture/Lab. (C5). Credits 3

**PHYS 120 - Practical Physics**

One semester, algebra-based survey of the physics of motion, force, energy, heat, electricity, circuits, and magnetism for technical fields. 3 Lecture, 2 Lab. (Lecture-3 credits, Lab 1 credit) (Lab is required). Corequisites PHYS 120 lecture and PHYS 120 lab. Credits 4

**PHYS 130 - Introductory Physics I**

Noncalculus-based treatment of motion, force, energy, and heat. 3 Lecture, 2 Lab. (Lecture-3 credits, Lab 1 credit) (Lab is required.) Credits 4

**PHYS 131 - Introductory Physics II**

A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics. 3 Lecture, 2 Lab. (Lecture 3 credits, Lab 1 credit) (Lab is required). Prerequisites PHYS 130. Corequisites PHYS 131 lecture and PHYS 131 lab. Credits 4

**PHYS 150 - Perspectives on Physics and Technology**

Inquiry-based course exploring applications of physics to solving real-world problems: historical background, scientific viewpoints, current cutting-edge research, and careers in physics and technology. 2 Lecture/Lab. Credits 1

**PHYS 230 - General Physics I**

Calculus-based study of motion, force, energy, wave motion, and thermodynamics. 3 Lecture, 3 Lab. (Lecture-3 credits, Lab-1 credit) (Lab is required). Prerequisites MATH 152 or MATH 153. Corequisites PHYS 230 lecture and PHYS 230 lab. Credits 4

**PHYS 231 - General Physics II**

A continuation of PHYS 230 covering electricity, magnetism, optics, and modern topics. 3 Lecture, 3 Lab. (Lecture 3 credit, Lab 1 credit) (231 Lab is not required for Electrical Engineering Majors). Prerequisites PHYS 230. Credits 4

**PHYS 302 - Electronics**

Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits, and digital techniques. 3 Lecture, 3 Lab. Prerequisites PHYS 131 and a course in differential and integral calculus. Credits 4

**PHYS 310 - Modern Physics**

Special relativity, quantum physics, the wave nature of matter, atomic and nuclear structure, and elementary particles. Prerequisites PHYS 131 or 231 and MATH 140 or 153. Credits 3

**PHYS 320 - Mathematical Methods of Physics**

Complex numbers and functions, series, Fourier series, cylindrical and spherical polar coordinate systems, ordinary and partial differential equations. Prerequisites PHYS 131 or 231; MATH 255. Credits 3
PHYS 322 - Optics
Geometrical and physical optics, introduction to quantum optics. Prerequisites PHYS 131, MATH 252 or MATH 255. Credits 3

PHYS 325 - Thermodynamics
Classical theory of heat, first and second laws of thermodynamics, enthalpy, entropy, introductory kinetic theory, and statistical thermodynamics. Prerequisites PHYS 131, MATH 256. Credits 3

PHYS 330 - Geophysics
Geophysics. Prerequisites PHYS 130 or 230. Corequisites PHYS 131 or 231. Credits 4

PHYS 335 - Astrophysics
Introduction to the basic principles of astrophysics; stellar structure, stellar evolution, galactic astronomy. Prerequisites PHYS 231 or 131; MATH 256. Credits 3

PHYS 360 - Laboratory Physics
Intermediate experiments in modern physics. Prerequisites PHYS 131 or 231. Credits 2

PHYS 380 - Research in Physics
Physics research projects for individual students. Lab; three-hours weekly in lab per credit hour. Prerequisites Permission of instructor. Credits 1-3, R12

PHYS 389 - Cooperative Education in Physics
See Cooperative Education Program. Credits 1 or 3, R15

PHYS 410 - Classical Mechanics
Topics in analytical mechanics using vector operators and differential equations. Prerequisites PHYS 320 or MATH 256. Credits 3

PHYS 420 - Nuclear Physics
Nuclear decay, models, reactions, fission, fusion; lab techniques of instrumentation, gamma spectra, particle techniques. 2 Lecture, 3 Lab. Prerequisites PHYS 131 or 231 and a course in differential and integral calculus. Credits 3

PHYS 440 - Electricity and Magnetism
Topics in electricity and magnetism using vector operators and differential equations. Prerequisites PHYS 410 and 320 or MATH 320. Credits 3

PHYS 450 - Quantum Mechanics
Origins of quantum theory, the Schrodinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials, and the hydrogen atom. Prerequisites PHYS 310, MATH 256. Credits 3

PHYS 454 - Computer Interfacing
Digital logic, computer design, and interfacing with laboratory instruments. This course is cross-listed with CHEM
PHYS 493 - Topics in Physics

Topics in Physics. Prerequisites PHYS 350 or permission of department head. Credits 2-4

PHYS 495 - Seminar in Physics

S/U grading. Credits 1

Political Science

PSC 101 - American Government and Politics

The American political system; introduction to government institutions and how politics shapes policies. (P1). Credits 3

PSC 169 - Global Issues

How globalization as a cultural and economic process is transforming contemporary society. (P6). Credits 3

PSC 190 - Freshman Seminar in Political Science

Exploration of various topics in American, comparative, and international politics. Credits 3

PSC 230 - Political Analysis I

Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems. Prerequisites PSC 150 or permission of instructor. Credits 3

PSC 231 - Political Analysis II

Students will learn how to analyze data to describe, explain, and solve domestic and foreign policy problems. Prerequisites PSC 348. Credits 3

PSC 240 - Political Theory

Explanation of thinkers and ideas that shape our current political debates, covering classic and modern writings. Credits 3

PSC 242 - International Organization

Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government. Credits 3

PSC 290 - Introduction to Political Science

An introduction to the Political Science discipline for majors and prospective majors; explores subfields and career paths and opportunities. Credits 2

PSC 301 - Congress

Congress as an institution; its role in the formulation of national policies; case studies dealing with legislation in the various areas of national policy. Prerequisites PSC 150. Credits 3

PSC 308 - American Presidency

The chief executive, his advisers, role playing, and decision making in the
executive branch. Prerequisites PSC 150. Credits 3

PSC 312 - Judicial Process

The process of judicial decision making. The institutional and political constraints on judicial behavior. Judicial decision making as a tool of interpretation and impact. Prerequisites PSC 150. Credits 3

PSC 313 - Constitutional Law: Structure and Powers

An examination of the United States Constitution in substance and its role in defining and shaping the American political system and American culture. Prerequisites PSC 150. Credits 3

PSC 314 - Southern Politics

An analysis of Southern politics that focuses on the region's unique political history, its transformation during the twentieth century and its importance in national politics. Prerequisites PSC 150. Credits 3

PSC 315 - Political Parties, Campaigns and Elections

Role of political parties in campaigns and elections; how strategy, context, the media, and interest groups affect who runs for and wins elections; voter decision-making. Prerequisites PSC 150. Credits 3

PSC 316 - Gender and Politics

Gender roles examined in the context of national, state, and local government and politics. Prerequisites PSC 150. Credits 3

PSC 318 - Political Communication

Examination and assessment of the power and influence of the mass media in politics. Prerequisites PSC 150. Credits 3

PSC 322 - Public Administration

Administrative theory and practice; implementation of governmental policies; case studies of the administrative process in such areas as business regulation, health care, and law enforcement. Credits 3

PSC 323 - The Nonprofit Sector

Students in this course will explore the role of the nonprofit sector in civil society. Prerequisites Sophomore standing or higher. Credits 3

PSC 324 - Political and Organizational Leadership

Concepts and processes of leadership related to political and public organizations. Prerequisites PSC 101 or PSC 169. Credits 3

PSC 325 - Public Policy

Alternative public policies in selected areas: social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education. Credits 3

PSC 326 - Natural Resources Policy and Administration
Policy and administration principles; case studies on the evolution of policy in the United States; current issues. **Prerequisites** Junior Standing. **Credits** 3

**PSC 327 - State and Local Government**

Structure and functions of state and local government; processes of policy formation. **Credits** 3

**PSC 328 - U.S. Social Policy**

This course is focused on questions of racial and economic inequality in the United States. In addition to aiding in the substantive understanding of these issues, students will come away with a deeper understanding of the long-term impact of social policies on American life. **Prerequisites** PSC 101. **Credits** 3

**PSC 350 - Advanced Writing in Political Science**

Using a course paper, work with a faculty member to prepare the paper for presentation or publication submission. **Prerequisites** Must be a declared Political Science major or second major. **Credits** 1

**PSC 352 - International Security**

Students in this class will explore contemporary issues in international security including deterrence, arms control, and resource scarcity. **Prerequisites** PSC 169 or INST 200. **Credits** 3

**PSC 353 - International Political Economy**

Politics of the global economy, relations among nation-states, and dominant theories of international political economy including liberalism, realism, and historical structuralism. **Prerequisites** PSC 169 or INST 200. **Credits** 3

**PSC 354 - International Environmental Politics**

This course examines the politics of international governance and cooperation from the perspective of the global environment. **Prerequisites** PSC 169 or INST 200. **Credits** 3

**PSC 357 - Political Violence**

This course will introduce students to the study of political violence (terrorism, insurgency, revolutions, and state repression). **Prerequisites** PSC 169 or INST 200. **Credits** 3

**PSC 358 - United States Foreign Policy**

Policies governing America's foreign relations; personnel and agencies responsible for policy implementation; role of the United States in world affairs since World War II. **Prerequisites** PSC 169 or INST 200. **Credits** 3

**PSC 359 - International Law**

Rules and practices regulating such matters as state territory and jurisdiction; treaties, nationality, and treatment of aliens; diplomatic and consular relations; warfare. **Prerequisites** PSC 169 or INST 200. **Credits** 3
PSC 361 - On War

This course examines the causes and conduct of interstate war. **Prerequisites**
PSC 169 or INST 200. **Credits** 3

PSC 362 - International Organizations

Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 370 - Politics of Ethnic Conflict

This class examines the political causes of ethnic conflicts across the globe. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 375 - European Politics

Comparison of the political systems in European nations. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 376 - African Politics

Analysis of government and politics on the African continent, focusing on issues related to democratization, ethnicity, class, gender, and conflict. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 377 - Middle East Politics

This course will introduce students to the study of politics in the Middle East. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 378 - Asian Politics

Selected political systems of East Asia; factors involved in political change and modernization. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 379 - Latin American Politics

Institutions, groups, parties, and processes; problems of political development, modernization, and change. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 380 - Politics of Developing Areas

Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third World nations; case studies. **Prerequisites** PSC 169 or INST 200. **Credits** 3

PSC 389 - Cooperative Education in Political Science

See Cooperative Education Program. **Credits** 1 or 3, R15

PSC 406 - Teaching Civics and Economics

Methods, content and assessment for the North Carolina secondary core requirements in Civics and Economics. **Prerequisites** Permission of the department. **Corequisites** HIST 395. **Credits** 1

PSC 451 - Model United Nations

Model United Nations is a simulation designed to introduce students to the history, structure, operations, and functions of the United Nations.
Nations. Prerequisites PSC 110. Credits 3, R6

PSC 452 - Model United Nations II

Model United Nations II is a simulation where students participate in the Southeastern Model United Nations Conference and the Model United Nations Experience at WCU. Prerequisites PSC 110, PSC 355. Credits 3

PSC 455 - Civic Engagement

Participate in a service learning experience and analyze its relationship to public policy. Prerequisites Must be a declared Political Science major or second major. Credits 3

PSC 480 - Readings in Political Science

Readings in Political Science. Prerequisites Departmental permission. Credits 3, R6

PSC 483 - Internship in Political Science

Work experience in a government or community agency applying academic studies to practice. S/U grading. Nine hours per week per course. Prerequisites Permission of department head. Credits 3

PSC 484 - Internship in Political Science

Work experience in a government or community agency applying academic studies to practice. S/U grading. Nine hours per week per course. Prerequisites Permission of department head. Credits 3

PSC 485 - Internship in Political Science

Work experience in a government or community agency applying academic studies to practice. S/U grading. Nine hours per week per course. Prerequisites Permission of department head. Credits 3

PSC 490 - Advanced Writing in Political Science

Using a course paper, work with a faculty member to prepare the paper for presentation or publication submission. Prerequisites Must be a declared Political Science major or second major. Credits 1

PSC 493 - Special Topics in World Politics

This course provides students with an opportunity to explore special topics in world politics that are not regularly offered at WCU. Credits 3, R6

PSC 494 - Special Topics in American Politics

This course provides students with an opportunity to explore special topics in American politics that are not regularly offered at WCU. An attached syllabus provides one example of what might be covered in this course. Prerequisites PSC 101. Credits 3, R6

PSC 499 - Senior Capstone

This is the culminating experience in the Political Science major. Students
will apply their skills to a coherent, professional applied research project and will explore strategies to prepare for professional life after college. Prerequisites PSC 101 & PSC 169 & Senior Standing. Credits 1

Psychology

PSY 150 - General Psychology

Introduction to psychology, the scientific study of behavior and mental processes. Includes topics in social, abnormal, health, clinical, developmental, biological, and experimental psychology. (P1). Credits 3

PSY 190 - Freshman Seminar

Various special topics in psychology designed to encourage an in-depth exploration of ideas and intellectual discussion on specific subjects. Credits 3

PSY 270 - Evolutionary Psychology

How natural selection has shaped human patterns of thinking, feeling, and behaving: mate selection and strategies; parenting; formation of alliances; altruism; aggression and warfare. Prerequisites PSY 150. Credits 3

PSY 271 - Research Design and Data Analysis I

Introduction to non-experimental research and statistics analysis; observational, survey, and correlational research methods; descriptive and inferential statistical analysis. Prerequisites PSY 150 or permission of instructor. Credits 3

PSY 272 - Research Design and Data Analysis II

Continuation of PSY 271; introduction to single-factor and factorial experimental and quasiexperimental research designs; inferential statistical analysis through 2-way ANOVA. Prerequisites PSY 271 or permission of instructor. Credits 3

PSY 280 - Research in Psychology I

Introductory-level supervised bibliographical or research activity. S/U grading. Prerequisites PSY 150 or permission of instructor. Credits 1-3, R3

PSY 309 - Social Psychology

Social influences on individual behavior, feelings, and thoughts; social-psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena. Prerequisites PSY 150 or permission of instructor. Credits 3

PSY 313 - Organizational and Industrial Psychology

Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations. Prerequisites PSY 150 or permission of instructor. Credits 3

PSY 320 - Developmental Psychology I: Childhood

Theories and principles of development (cognitive, emotional,
psychological) of individuals from diverse backgrounds from conception through adolescence. (P1). Credits 3

**PSY 322 - Developmental Psychology II: Adolescence**

Theories and principles of development (cognitive, emotional, psychological, social, physiological) of individuals from diverse backgrounds from puberty to emerging adulthood. **Prerequisites** PSY 150 or permission of instructor for other majors. Credits 3

**PSY 323 - Psychology Applied to Learning and Teaching**

Exploration of the universal and developmental needs of 21st century learners and the assessment techniques teachers utilize in the development of responsive instruction. Field experience and subscription to TaskStream© required. **Prerequisites** EDCI 201 & Admission to Teacher Education. Credits 3

**PSY 325 - Developmental Psychology III: Adulthood**

Theories and principles of development (cognitive, emotional, psychological, social, physiological) of individuals from diverse backgrounds throughout the adult lifespan. **Prerequisites** PSY 150 or permission of instructor. Credits 3

**PSY 326 - Psychological Perspectives of Developmental Disabilities**

This class is an overview of terms, concepts and ideas concerning developmental disabilities and the psychological sciences. Students will be introduced to community based service programs and laws and guidelines that regulate those programs. Students will be taught how psychological perspectives of disability guide those supports and programs. Credits 3

**PSY 331 - Human Sexuality**

Psychological, biological, social, and legal aspects of sexuality. (P1). **Prerequisites** 45 hours earned. Credits 3

**PSY 333 - Psychology of Sex Differences**

Development of sex differences and similarities in cognition, personality, and social behaviors; the role of physiological, social, and cultural factors. **Prerequisites** PSY 150 or permission of instructor. Credits 3

**PSY 340 - Sensation and Perception**

Introduction to the physiological mechanisms underlying the sensation of external stimuli and the cognitive processes leading to an interpretation of sensory information (i.e., perception). 2 Lecture, 1 Lab. Credits 3

**PSY 350 - Sexual Victimization**

Course addresses public policy and treatment issues from perspectives of both perpetrators and survivors of sexual victimization. Note that course material can be emotionally intense. Credits 3

**PSY 360 - Psychological Testing**
History, theory, and practice of measurement; test development and standardization; evaluation of intelligence, achievement, aptitude, and personality. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 363 - Behavioral Intervention**

A survey of behavioral theory covering both nonmediational and mediational approaches. Applications of behavioral theory to a variety of difficulties including school and clinical settings. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 370 - Psychology and Law**

Interrelationships between psychology and the legal system; identifying psycholegal issues in daily life; applying psychological theory and research to resolution of psycholegal dilemmas in real world. **(P1)**. **Prerequisites** Junior or senior status. **Credits** 3

**PSY 375 - Forensic Psychology**

Introduction to the field of forensic psychology. Key topics include forensic evaluations, expert testimony, ethics, assessment of malingering, and competence to stand trial. **Prerequisites** Junior or senior status. **Credits** 3

**PSY 389 - Cooperative Education in Psychology**

See Cooperative Education Program. **Credits** 1 or 3, R15

**PSY 393 - Topics in Psychology**

Topics in Psychology. **Credits** 3, R12

**PSY 421 - Educational Psychology**

Application of psychological principles to teaching and learning including cognition, motivation, measurement, individual and cultural differences, exceptionalities, and behavior management. **Credits** 3

**PSY 426 - Death and Dying**

Psychological foundations and correlates of death anxiety and grief; cross-cultural perspectives; death education and stages in children's awareness; coping with grief and fears. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 430 - Personality**

Assumptions, constructs, and theories of personality; related empirical findings. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 440 - Biological Psychology**

Physiological, genetic, and evolutionary bases of behavior. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 441 - Health Psychology**

Psychological foundations of health and illness; exploration of the impact of thoughts, emotions, and behavior on the development, treatment, and prevention of illness and the maintenance of health. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3
**PSY 444 - Cognitive Psychology**

Theories and principles of human information processing: language production and comprehension, basic processes in memory and cognition. **Prerequisites** PSY 272. **Credits** 3

**PSY 446 - Learning**

This course will review the theories, methods, and outcomes of behavioral research. Students will complete a research project in this course. **Prerequisites** PSY 272. **Credits** 3

**PSY 448 - Human Neuropsychology**

Survey of the basic theories of neuropsychology, emphasizing both cognitive and clinical research. The course will focus on the influence of the human brain on normal and abnormal behavior. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 452 - Software Methods for Research and Data Analysis**

Introduction to the development of software applications that store, manipulate, and analyze data, and automate the execution of various psychological research designs. **Credits** 3

**PSY 455 - History of Psychology**

Systematic survey of psychology as a scientific endeavor from early approaches to contemporary schools and trends. **Prerequisites** Junior/Senior status. **Credits** 3

**PSY 460 - Crisis Intervention**

Theory and nature of crises; intervention strategies for dealing with a variety of crises such as physical assault, rape, suicide, and natural disaster. Enrollment restricted to Emergency Medical Care majors. **Credits** 1

**PSY 470 - Abnormal Psychology**

Theories of psychopathology; etiology, dynamics, symptomatology, diagnosis, and treatment. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 474 - Child Psychopathology**

Etiology, characteristics, assessment, and treatment of psychological problems of childhood and adolescence; learning, behavioral, affective, and psychotic disorders. **Prerequisites** PSY 150 or permission of instructor. **Credits** 3

**PSY 475 - Introduction to Clinical and Counseling Psychology**

Applications of psychology to bachelor-level psychology jobs. Communication and listening skills, crisis management, milieu therapy. Professional roles and boundaries, ethics and legal issues, documentation. **Prerequisites** PSY 150, junior-senior status. **Credits** 3

**PSY 480 - Research in Psychology**

Supervised research experiences for advanced students. S/U grading. **Prerequisites** PSY 150, 271, 272; permission of instructor. **Credits** 1-6, R6
PSY 483 - Internship in Psychology

Application of theory, methods, and techniques in a cooperating agency under faculty supervision. Nine hours applicable to major. 10 hours per week per course. **Prerequisites** 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor. **Credits** 3

Quantitative Analysis

QA 235 - Business Statistics

An introduction to managerial decision-making based on data summaries, basic data analysis evaluation, and interpretation. **Credits** 3

QA 305 - Introduction to Management Science

An applied approach to decision making using both qualitative and quantitative data. Basic analytical tools and methods are introduced. **Prerequisites** MATH 170 or QA 235. **Credits** 3

Reading

EDRD 150 - College Reading and Vocabulary

Extending skills for college and recreational reading: emphasis on vocabulary and comprehension. **Credits** 3

EDRD 303 - Children’s Literature in the 21st Century

The exploration of literary experiences and the ways in which literature can be used to teach across the curriculum K-6. **Prerequisites** EDCI 201 with a grade of C or better. **Credits** 3
EDRD 323 - Reading and Communication Skills in Content Areas

Methods for teaching reading and other communication skills in content areas. Prerequisites Admission to the professional education sequence. Credits 2

EDRD 334 - K-6 Reading Methods

Research, theory, and instructional practices for teaching reading in grades K-6. Prerequisites EDEL 311 or SPED 312. Corequisites EDEL 390. Credits 3

EDRD 335 - Content Reading for Intermediate Grade Learners

Research, theory, and instructional practice related to integrating reading with all subject areas; vocabulary, comprehension, study skills, addressing the needs of diverse and struggling readers. Includes an extensive, field-based component. Corequisites ELMG 484 or SPED 484. Credits 3

EDRD 389 - Cooperative Education in Reading

See Cooperative Education Program. Credits 1 or 3, R15

EDRD 420 - K-6 Reading Methods

Research, theory, and instructional practices for teaching reading in grades K-6. Prerequisites EDEL 311 or SPED 312. Corequisites EDEL 390. Credits 3

EDRD 440 - Reading Diagnosis and Instruction for Grades K-6

Research, theory, and instructional practices for identifying struggling readers and implementing focused, evidence-based, explicit instruction tailored to meet the K-6 pupils' assessed reading needs. Prerequisites EDEL 390, EDRD 420. Credits 3

EDRD 443 - Middle Grades Reading

Methods and materials for teaching reading and other communication skills in the middle grades; emphasis on organization for instruction, word identification and comparison skills, and reading in content materials. Prerequisites Admission to the professional education sequence. Credits 3

EDRD 453 - High School and Adult Reading

Methods and materials for teaching reading in high school and adult education. Prerequisites EDRD 443. Credits 3

EDRD 467 - Adolescent Literature

The reading development and reading interests of adolescents; criteria for evaluation; instructional strategies; study of a wide range of books. Credits 3

EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs.

Assessment of reading and writing problems and strategies for teaching reading and writing. Prerequisites EDRD 334 or EDRD 443 and admission to the professional education sequence in your program. Credits 3
Recreational Therapy

RTH 101 - T'ai Chi Ch'uan

First circle of Yang Family Long Form, T'ai Chi Ch'uan. The gentle art of moving meditation. 2 meetings. Credits 1, R3

RTH 102 - Adaptive Fly Fishing

Applied education, and possible certification, in therapeutic adaptive fly fishing and fly tying as a recreational therapy modality. Prerequisites RTH major or approval by instructor. Corequisites Accepted as RTH major or permission of instructor. Credits 1

RTH 200 - Foundations of Recreational Therapy

An investigation into the prescribed use of recreational activity as a clinical treatment modality for persons whose functional abilities are impaired. Prerequisites Sophomore standing. Credits 3

RTH 250 - Inclusion and Recreation for People with Disabilities

Addressing physical, psychological, and accessibility needs of individuals with disabilities through inclusion in community-based and outdoor recreation services in non-institutional settings. Credits 3

RTH 300 - Health and Healing - The Spirit-Mind-Body Connection

A comparative overview of healthcare paradigms of selected traditional and non-traditional belief systems. (P1). Credits 3

RTH 350 - Recreational Therapy and People with Physical Disabilities

Addressing physical and psychological needs of individuals with physical disabilities through recreational therapy service in clinical and community settings. Prerequisites RTH 352, accepted as RTH major. Credits 3

RTH 352 - Recreational Therapy Processes and Techniques

Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery. Prerequisites RTH 200, and accepted as RTH major or by permission of the instructor. Credits 3

RTH 360 - Recreational Therapy Services for Older Adults

Addressing the physical, psychological, and social needs of the elderly through recreational therapy. 2 Lecture. 2 Lab. Prerequisites RTH 352, accepted as RTH major. Credits 3

RTH 370 - Methods in Recreational Therapy

Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. Prerequisites RTH 352 and accepted as RTH major. Credits 3

RTH 389 - Cooperative Education in Recreational Therapy
See Cooperative Education Program. Credits 1 or 3, R15

RTH 395 - Pre-Internship Seminar
Overview of NCTRC standards for professional certification, personal communication skills, practicum documentation requirements, internship site selection, and bloodborne pathogen training. Prerequisites RTH 352, RTH 370 as a pre or co-requisite, accepted as RTH major. Credits 1

RTH 396 - Special Topics
Special Topics. Credits 1-3

RTH 401 - Client Assessment in Recreational Therapy
Study of the role of reliable assessment in the recreational therapy treatment planning process. Focus on assessment, developing treatment goals, evaluating outcomes, and documentation. Prerequisites RTH 352 and accepted as RTH major. Credits 3

RTH 405 - Recreational Therapy in Behavioral Health
Addressing psychiatric, social and addiction disorders through recreational therapy interventions in behavioral health settings. 2 Lecture, 2 Lab. Prerequisites RTH 352, accepted to RTH major. Credits 3

RTH 417 - Administration and Advancement of Recreation Therapy Services
Contemporary RT organizational principles, administrative issues, and professional issues for the advancement of recreational therapy. Includes history; professional behaviors; regulatory policies and legislation; ethics; organization and management. Prerequisites RTH 352 and accepted as RTH major. Credits 3

RTH 470 - Adventure-Based Recreational Therapy
A theoretical and practical investigation of structured outdoor experiences as vehicles for facilitating human growth and development. Field trips required. Prerequisites RTH 352, PRM 270. Accepted as RTH major. Credits 3

RTH 481 - Independent Study
Independent Study. Credits 1-3, R6

RTH 484 - Recreational Therapy Clinical Internship
Full-time internship in a recreational therapy program under direct professional supervision. Prerequisites RTH 350, 352, 360, 370, 395, 401, 405, 417, "C" or better in all RTH prefix courses and permission of instructor. Credits 6

RTH 485 - Recreational Therapy Clinical Internship
Experience designed to integrate theory with practice; observation, fieldwork, and planning in a setting related to student's area of interest. Three hours per credit hour. Prerequisites RTH 350, 352, 360, 370, 395, 401, 405, 417, "C" or better in all RTH prefix courses and permission of instructor. Credits 6

RTH 493 - Special Topics in Recreational Therapy
Science Education

SCI 150 - Introduction to Secondary Science Education

Introduction to the role and importance of science literacy in modern society; basics of teaching and learning in the sciences. Credits 1

SCI 301 - Nature & Science

The theory and practice of inquiry science. Investigation into inquiry, the nature of science, and science literacies for pre-service secondary science teachers. Credits 3

SCI 422 - Principles and Methods of Science Education

Philosophy and techniques of inquiry teaching applied to the science curriculum. Field experience required. Prerequisites Admission to teacher education, EDSE 483. Credits 3

SCI 451 - Environmental Science for Teachers

Materials and techniques for interdisciplinary projects. Credits 3

SCI 491 - Supervised Student Teaching in the Sciences, 9-12

A full-time supervised teaching experience in the Sciences. Prerequisites EDSE 490, 495. Credits 3

SCI 493 - Topics in Science Education

Topics in Science Education. Credits 1-3

SCI 494 - Topics in Science Education

Topics in Science Education. Credits 1-3

Secondary Education and Special Subject Teaching

EDSE 483 - Secondary/Special Subject Area Internship I

Methods, strategies, materials, and techniques of clinical and classroom teaching. This course includes a part-time internship in K-12 schools. Prerequisites Admission to the teacher education program. Credits 2-3

EDSE 484 - Supervised Internship I

A part-time internship in K-12 schools. Student internship program for secondary and special subject area majors. Prerequisites Requires admission to the Teacher Education Program. Credits 1-3

EDSE 485 - Internship II

A full-time internship. Prerequisites Admission to the Teacher Education Program. Corequisites EDSE 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491. Credits 6

EDSE 486 - Field Experience in Teaching
Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers. Nine hours per week. **Prerequisites** Admission to the Teacher Education program. **Credits** 3, R6

**EDSE 490 - Supervised Student Teaching**

A full-time teaching experience. **Prerequisites** Admission to the Teacher Education Program. **Corequisites** EDSRE 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491. **Credits** 6

**EDSE 495 - Seminar**

Theory related to practice during student teaching or internship. **Prerequisites** Admission to the Teacher Education Program. **Corequisites** EDSE 490 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491. **Credits** 3

**SOCW 251 - Social Issues, Policy and Programs**

Overview of social welfare policies and programs; political, economic and social conditions affecting disadvantaged populations. Policy development and analysis, advocacy, historical perspectives. (P1). **Credits** 3

**SOCW 253 - Practice I: Interviewing and Ethics**

First course in a sequence of three courses using the generalist approach with a concentration on basic engagement, assessment (interviewing) skills and social work ethics. **Prerequisites** Completion of SOCW 151 with a C or better; and pre-social work or social work majors only. **Credits** 3

**SOCW 304 - School Social Work**

Practice in the school system: its content, history, and legal framework; special needs children; designs, delivery, and evaluation of services. **Prerequisites** SOCW 151 or permission of instructor. **Credits** 3

**SOCW 327 - Social Work with Children and Families**

Concepts and skills for intervention with families; emphasis on family strengths and community resources and some policies affecting families. **Prerequisites** SOCW 151 or permission of instructor. **Credits** 3

**SOCW 334 - Human Behavior and the Social Environment: Life Stages**

Examination of human development across the life span; Focus on reciprocal relationships between and
among individuals, families, groups, communities, societies, and social systems. **Prerequisites** Pre-Social Work major OR Social Work major. **Credits** 3

**SOCW 335 - Social Work Research and Evaluation**

Research methods used to enhance and evaluate social work practice knowledge. **Prerequisites** SOCW 151, with grade of C or better and Pre-Social Work major OR Social Work major. **Credits** 3

**SOCW 340 - Values and Ethics in Social Work Practice**

Values and Ethics: Social work applications. **Credits** 3

**SOCW 348 - Culture, Experience and Travel Abroad**

This course is designed to assist students in the development of generalist social work skills, with an emphasis on different cultures around the world. Students will learn about differences in the social work systems used in the US and the country to be visited during that year. This course will be conducted as a seminar, and all students are expected to play an active role in their own learning through the use of class discussions, case studies, role plays, and other experiential exercises. Students are also required to attend the trip abroad, which will occur the summer after the Spring class. **Credits** 3

**SOCW 354 - Human Behavior and the Social Environment: Person-In-Environment**

Examination of interrelationships among social, cultural, and environmental factors that combine with biological and psychological components to affect human behavior and development. (P1). **Prerequisites** Sophomore standing or higher. **Credits** 3

**SOCW 360 - Social Work Practice II: Case Management**

This course is designed to teach students intermediate social work skills with a focus on client system assessment, goal setting, case planning, and case management. The course builds and expands upon the interviewing skills acquired in SOCW 253 and prepares students for the development of direct social work skills taught in SOCW 362. This course employs a variety of teaching methods, including lecture, interactive discussion, and experiential exercises. **Prerequisites** SOCW 253, SOCW 354, and BSW/Social Work major (admitted to the Social Work program). **Credits** 3

**SOCW 362 - Practice III: Interventions**

Application of knowledge, values, and skills to social work practice: individuals, families, and groups. **Prerequisites** SOCW 253, 335, 354, 360, and admission to the Social Work program. **Credits** 3

**SOCW 364 - Community Practice**

Application of knowledge, values, and skills to social work practice: organizations and communities; advocacy. **Prerequisites** SOCW 253,
335, and admission to the social work program. **Credits** 3

**SOCW 395 - Seminar in Social Work**

Current trends and issues for practice; studies of social work agencies and programs; examination of social welfare policies and concerns. **Prerequisites** Permission of instructor. **Credits** 1-3, R9

**SOCW 396 - Field Preparation and Professional Development**

The Field Preparation course will prepare senior BSW students for the field practicum. Topics covered will include an overview of the placements available with agencies in Western North Carolina and beyond, the process of applying for and obtaining field placements, conducting oneself as a professional social worker, and developing learning objectives for the field experience. Students will learn about the options available to them for completing their field practicum and develop a clear understanding of the objectives and expectations for the field experience. **Prerequisites** SOCW 360 with a grade of C or better. **Credits** 1

**SOCW 402 - Diversity in Contemporary Society**

Focus on diversity of culture, ethnicity, ability, sexual orientation, and gender; emphasis on the consequences of marginalizing members of oppressed groups. (P1). **Credits** 3

**SOCW 415 - Social Work and Mental Health**

The mental health system, issues, history, common diagnoses, emphasis on the strengths perspective. **Prerequisites** SOCW 151 or permission of instructor. **Credits** 3

**SOCW 420 - Addictions**

Overview of complex issues related to addictions, including drug, alcohol, gambling, and eating addictions; examines addiction within the context of developmental life stages and culture. **Prerequisites** SOCW 151 or permission of instructor. **Credits** 3

**SOCW 422 - Methods of Substance Abuse Treatment**

Methods course that teaches knowledge and skills needed to work effectively in a variety of clinical settings specific to substance abuse. **Prerequisites** SOCW 420. **Credits** 3

**SOCW 424 - Cultural Competence in Substance Abuse Practice**

Overview of unique problems and needs related to substance abuse treatment among diverse populations; application of culturally sensitive intervention strategies. **Prerequisites** SOCW 420. **Credits** 3

**SOCW 425 - Science of Addictions**

Biological basis of addiction; physiological and psychological effects of substance abuse. **Prerequisites** SOCW 420. **Credits** 3

**SOCW 426 - Child Welfare**

Child welfare services, public and private programs, children's rights, and
issues affecting services for children and families. **Prerequisites** SOCW 151 or permission of instructor. **Credits** 3

**SOCW 427 - Trauma Informed Social Work with Children**

This course will introduce students to the core concepts (general theory and foundational knowledge), informing evidence-based assessment and intervention for traumatized children and adolescents who are in the child welfare system. Trauma is broadly defined, and includes children and adolescents, exposed to traumatic events including, abuse and neglect and witnessing interpersonal crime (e.g. domestic violence), community violence, and other traumatic events who have come into contact with the child welfare system. The course will highlight the role of development, culture, and empirical evidence in trauma-specific assessment, referral, and interventions with children, adolescents and their families within a child welfare context. It will address the level of functioning of primary care giving environments and assess the capacity of the community and the child welfare system to facilitate restorative processes. **Credits** 3

**SOCW 429 - Social Work with Older Adults**

Concepts and skills for effective practice with the aging; needs and strengths of older people; community resources; professional approaches to intervention. **Credits** 3

**SOCW 430 - Social Work in the Health Field**

Concepts and skills for intervention in hospitals, out-patient clinics, and other health settings, and on some policies affecting health care. **Credits** 3

**SOCW 435 - Social Work Research & Evaluation II**

Qualitative and quantitative application and analysis of social work research. **Prerequisites** SOCW 335. **Credits** 3

**SOCW 445 - International Social Work**

Current trends and social issues, problems, and solutions in countries around the world. **Credits** 3

**SOCW 481 - Independent Study**

Independent Study. **Prerequisites** SOCW 253, 335, or permission of department head. **Credits** 1-3, R6

**SOCW 486 - Field Practicum**

Full-time supervised placement in selected human service agencies to integrate theory with practice and prepare for professional responsibility. **Prerequisites** Permission of Director of Field Practicum. **Corequisites** SOCW 496. **Credits** 12

**SOCW 494 - Topics in Social Work**

Topics in Social Work. **Credits** 3, R12

**SOCW 496 - Field Practicum Seminar**

Integration of content with field practice. **Prerequisites** Permission of Director of Field
Practicum. Corequisites SOCW 486. Credits 3

Sociology

SOC 103 - Human Society
Analysis of human behavior in social and cultural contexts, emphasizing the sociological perspective. (P1). Credits 3

SOC 235 - Social Problems
Problems of modern American society such as poverty, social conflict, corporate power and capitalism, alienation, and deviance. (P1). Credits 3

SOC 240 - Social Change
Changes in human societies through cultural, economic, social, and political processes; introduction to development and social movements. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 245 - Social Inequality
Social inequalities in wealth, income, prestige, and power; inequalities based on race, sex, and age. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 248 - Rural Society
Application of sociological concepts to rural environments; characteristics of rural population, social structure, social institutions; social change, structure of agriculture, local government structure, and processes. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 250 - Deviant Social Behavior
Causes and control of individual and group rebellion or retreat from prescribed social norms. Credits 3

SOC 255 - Population Dynamics
Study of population characteristics, growth, and trends within a context of social, cultural, economic, and political systems. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 316 - Media and Popular Culture
This course presents an overview and analysis of media and popular culture. Emphasis is placed on the relationship to economic, political, and cultural dynamics. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 320 - The Internet and Society
An examination of the growing significance and impact of the Internet in social life. Cultural, political, economic, and inequality issues are examined. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 326 - Gender Roles and Society
Gender roles examined in a sociological context emphasizing the relationship between these roles and the pre-existing sexual stratification system. Prerequisites SOC 103 or permission of instructor. Credits 3

SOC 342 - The Individual in Society
Individual behavior in social context; social interaction. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 345 - Sociology of Emotion**

This course provides an overview of the major topics in the Sociology of emotions, focusing on the various theories and methods involved. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 365 - Marriage and Family**

Sociological approach to institutions of marriage and family, including mate selection, childrearing, divorce, aging, family violence. **Prerequisites** SOC 103. **Credits** 3

**SOC 371 - Society and the Environment**

Analysis of the interaction between society and the physical environment, including population, pollution, resource depletion, and the effects on and responses of different social groups. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 373 - The Global Society**

Explores globalization as the growing interconnectedness among the world’s people. Examination of the causes, contradictions, and consequences of these technological and social changes. **Prerequisites** SOC 103. **Credits** 3

**SOC 380 - Ethnographic Research Methods**

Theory and method; techniques of observation, description, interviewing, note taking, and analyzing data; planning and completing a field study. This course is cross-listed with ANTH 380. **Prerequisites** SOC 103 or ANTH 260. **Credits** 3

**SOC 385 - Methods of Social Research**

The logic of scientific inquiry; techniques of research used in sociology, including sample surveys. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 386 - Analysis of Social Data**

Methods for presentation and analysis of social scientific data; descriptive and inferential techniques; measures of association. **Prerequisites** SOC 385. **Credits** 3

**SOC 391 - Sociological Theory**

The development of sociological theory; issues in classical and contemporary social thought. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 410 - Sociology of Aging**

The social context of aging, the social implications of, and attendant social policy issues. Individual and societal aging using historical and cross-cultural approaches. **Prerequisites** SOC 103 or permission of instructor. **Credits** 3

**SOC 414 - Minority Groups**
Relations between dominant and subordinate racial and ethnic groups; historical, economic, and cultural aspects are considered. *Not available as a P1 for Anthropology majors.* Cross listed with Anthropology 414. (P1). Credits 3

**SOC 423 - Sociology of Sport**

Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation. **Prerequisites** Junior standing; SM 260 for SM majors. Credits 3

**SOC 432 - Community Organization and Development**

Community organization viewed as a process of bringing about desirable changes in community life. Community structure, needs assessment, and planning for change. **Prerequisites** SOC 103, or permission of instructor. Credits 3

**SOC 434 - Regional and Societal Development**

Social dimensions of economic growth and development with particular emphasis on Third World countries; alternative definitions of development, and changing national, regional, and institutional structures. **Prerequisites** SOC 103, or permission of instructor. Credits 3

**SOC 448 - Social Movements**

Explores theories and historical cases of social movements that promote or resist social change. Reform and radical movements are examined; political, economic, and cultural emphases. **Prerequisites** SOC 103, or permission of instructor. Credits 3

**SOC 450 - Sociology of Work**

This course provides an overview of the major topics in the sociology of work, including the organization of work and inequality related to work. **Prerequisites** SOC 103 or permission of instructor. Credits 3

**SOC 456 - Medical Sociology**

An overview of the major topics in medical sociology, including health and illness behavior, the social demography of health and health organizations. Credits 3

**SOC 460 - Professional Issues**

Exploration of career and graduate education opportunities in Sociology by presenting the field as a profession to be practiced in the real world. **Prerequisites** Junior or Senior standing; SOC 103 or permission of instructor. Credits 1

**SOC 480 - Independent Study in Sociology**

Independent Study in Sociology. **Prerequisites** SOC 103 or permission of instructor. Credits 1-3, R6

**SOC 483 - Internship in Sociology**

Application of theory and knowledge to work experience in a cooperating agency. S/U grading. Nine hours per
week per course. **Prerequisites** SOC 103 or permission of instructor. Three hours credit applicable to sociology major or minor. **Credits** 3

**SOC 484 - Internship in Sociology**

Application of theory and knowledge to work experience in a cooperating agency. S/U grading. Nine hours per week per course. **Prerequisites** SOC 103 or permission of instructor. Three hours credit applicable to sociology major or minor. **Credits** 3

**SOC 485 - Internship in Sociology**

Application of theory and knowledge to work experience in a cooperating agency. S/U grading. Nine hours per week per course. **Prerequisites** SOC 103 or permission of instructor. Three hours credit applicable to sociology major or minor. **Credits** 3

**SOC 494 - Topics in Sociology**

Topics in Sociology. **Prerequisites** Permission of instructor. **Credits** 1-3, R9

**Spanish**

**SPAN 101 - Experiencing Spanish and the Spanish-Speaking World**

Students develop basic knowledge about the Spanish-speaking world and through that content acquire basic functional proficiency in Spanish. (P6). **Credits** 3

**SPAN 102 - Experiencing Spanish and the Spanish-Speaking World II**

Students build on their basic functional proficiency in Spanish as they build on their cultural and real-world knowledge of the Spanish-speaking world. (P6). **Prerequisites** Some competency in Spanish or consultation with instructor. **Credits** 3

**SPAN 104 - Spanish for Educators, Law Enforcement and Health Care Professionals**

Students further develop basic language skills related to the contexts of schools, law enforcement, and health care. **Prerequisites** SPAN 101 or equivalent. **Credits** 3

**SPAN 123 - Spanish for Emergency Medical Care Professional**

Students will develop basic language skills and communication strategies specifically designed to assist students pursuing careers in emergency medical care or nursing. **Credits** 1

**SPAN 190 - Celluloid and Paper Dreams: Hispanic Literature and Film**

Hispanic culture as expressed in film and literature. **Credits** 3

**SPAN 231 - Intermediate Spanish I**

Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world. **Prerequisites** SPAN 102 or equivalent or placement. **Credits** 3

**SPAN 232 - Intermediate Spanish II**

Continued development of listening, speaking, reading, and writing;
continued study of the culture of the Hispanic world. **Prerequisites** SPAN 231 or equivalent or placement. **Credits** 3

**SPAN 240 - Accelerated Intermediate Spanish**

Combines SPAN 231 and 232 in one semester. Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world. Extended class period allows for enhanced proficiency. **Prerequisites** SPAN 102 or equivalent score on placement test (SP00 130). **Credits** 6

**SPAN 301 - Spanish Conversation and Composition I**

Students will discuss and write about challenging topics of interest in the Hispanic world in Spanish with increasing sophistication. **Prerequisites** SPAN 232 or SPAN 240 or equivalent or placement, or permission of department head. **Credits** 3

**SPAN 302 - Spanish Conversation and Composition II**

Students will discuss and write about challenging topics of interest in the Hispanic world in Spanish with increasing sophistication. **Prerequisites** SPAN 232 or SPAN 240, or permission of department head. **Credits** 3

**SPAN 303 - Applied Spanish Conversation**

Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. 10 Lab. **Prerequisites** SPAN 232 or SPAN 240, sophomore standing, selection by faculty. **Credits** 3, R6

**SPAN 310 - Introduction to Hispanic Literature**

Introduction to Hispanic literary texts; reading and analysis of literary works. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3

**SPAN 321 - Hispanic Cultures I**

This course will explore the cultures of the Spanish-speaking, including geography, history, gastronomy, art, music, politics, economics, and other related topics. **Prerequisites** SPAN 232 or SPAN 240, or permission of department head. **Credits** 3

**SPAN 322 - Hispanic Cultures II**

This course will explore the cultures of Spanish speaking world, including geography, history, gastronomy, art, music, politics, economics, among other related topics. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3

**SPAN 330 - Masterpieces of Spanish Peninsular Literature**

The literary periods and movements, authors, and selected representative works of Spain. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3

**SPAN 331 - Literature of Spain**

Representative works of Spanish Peninsular Literature will be studied to examine the relationship between language and society and increase
SPAN 332 - North American & Caribbean Literature in Spanish

This course will explore works of literature and other arts from the Hispanic or Latino communities in North America and the Caribbean. **Prerequisites** SPAN 301 or permission of the department head. **Credits** 3

SPAN 333 - South American Literature in Spanish

An introduction to the literature of South America. **Prerequisites** SPAN 301 or permission of the department head. **May be taken concurrently. Credits** 3

SPAN 389 - Cooperative Education in Spanish

See Cooperative Education Program. **Prerequisites** SPAN 301, SPAN 302. **Credits** 1 or 3, R15

SPAN 394 - Immersion Experience

This course will allow students to receive credit for study abroad courses that do not exactly match offerings that already exist in the Spanish program but that are approved by the student's advisor and the Department Head. **Prerequisites** SPAN 101. **Credits** 3-6, R12

SPAN 401 - Contrastive Features of Spanish and English

Study of similarities and differences of the two languages regarding phonology, morphology, and syntax and issues concerning L2 acquisition. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3

SPAN 420 - Teaching Foreign Language

The purpose of this course is to provide students with an opportunity to learn about current methods of foreign languages. **Prerequisites** Admission to the professional education sequence; EDSE 483. **Credits** 3

SPAN 421 - The Feminine in Hispanic Literature

Study of representative literary works which explore the meaning of feminine identity and gender relations in the literature of Spanish America and Spain. **Prerequisites** SPAN 301 or permission of department head. **Credits** 3

SPAN 431 - Studies in Spanish Peninsular Literature

Study of an author or authors, a genre, literary movement, school, or literary period of Spain. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3, R6

SPAN 432 - North American and Caribbean Literature

This course will explore works of literature and other arts from the Hispanic or Latino communities in North America and the Caribbean. **Prerequisites** SPAN 232 or SPAN 240. **Credits** 3, R6
SPAN 433 - Writing from the Margins: Literature of Dissent and Protest in the Spanish-Speaking World

This course will explore works of literature and other arts in Spanish that demonstrate themes of dissent and protest. Prerequisites One of SPAN 331, SPAN 332 or SPAN 333, or permission of the department head. Credits 3

SPAN 434 - South American Hispanic Literature

An introduction to the Hispanic literature of South America. Prerequisites SPAN 232 or 240 or permission of department head. Credits 3

SPAN 441 - Laughter and Tears

Study of comedy and tragedy in the Spanish-speaking world. Prerequisites SPAN 331, SPAN 332 or SPAN 333, or permission of the department head. Credits 3

SPAN 451 - Advanced Spanish Grammar

In-depth study of the structures and usage of the Spanish language. Prerequisites SPAN 301 or permission of department head. Credits 3

SPAN 452 - Advanced Oral Communication

Discussion of selected topics; reports on assigned readings; situational dialogues in practical, everyday Spanish. Prerequisites SPAN 232 or SPAN 240. Credits 3

SPAN 461 - Spanish Phonology and Phonetics

An in-depth study of the production and perception of sounds in Spanish. Prerequisites SPAN 232 or SPAN 240, or permission of department head. Credits 3

SPAN 462 - Spanish Syntax and Morphology

This course will introduce students to the basics of Spanish syntax and morphology. It will cover the processes of word and sentence structure formation within the Generative framework of Linguistics. Prerequisites SPAN 232 or SPAN 240, or permission of department head. Credits 3

SPAN 471 - The Art of Translation

Students study translation theory, learn about translation tools, comprehend settings where translators and interpreters work, practice translation from Spanish to English and vice versa. Prerequisites WLL 311, or permission of department head. Credits 3

SPAN 481 - Independent Studies in Spanish

Independent Studies in Spanish. Prerequisites SPAN 301 and SPAN 302, or permission of department head. Credits 1-3, R6

SPAN 491 - Student Teaching, 9-12

For this course, student teachers will teach in a North Carolina Public School for field experience and assessed on
lesson plans. **Corequisites** EDSE 490, EDSE 495. **Credits** 3

**SPAN 493 - Special Topics in Spanish**

Topics will vary. **Prerequisites** SPAN 232 or SPAN 240, or permission of department head. **Credits** 3, R9

**Special Education**

**BKSE 313 - Assessment of the Young Child**

Assessment activities including screening, diagnostic assessment, and educational assessment for young children, with emphasis on connecting observation, assessment, planning, and evaluation. 2 Lecture, 3 Lab. **Prerequisites** SPED 240; GPA 2.75 or higher. Professional Education Concentration. **Credits** 3

**BKSE 314 - Observational Assessment & Screening of Young Children**

Assessment in children birth to five in a variety of early childhood settings such as homes, daycare and public schools. Early Childhood Concentration only. **Prerequisites** SPED 240. GPA of 2.75. **Credits** 3

**BKSE 345 - Adaptations and Modifications for Young Children with Disabilities**

Methods and materials for supporting young children with disabilities in their naturally occurring environments. 2 Lecture, 3 Lab. **Prerequisites** SPED 240, GPA 2.75 or higher. **Credits** 3

**BKSE 411 - Family Collaborative Planning**

Development, implementation, monitoring of plans (IFSP, IEP); knowledge of state, federal legislation, agency programs affecting young children with disabilities and their families. Collaborating, interviewing families. **Prerequisites** GPA 2.75 or higher. **Credits** 3

**BKSE 412 - Interagency Planning**

Professional roles and functions of early childhood teams, transdisciplinary team process, structures of interagency collaboration, service coordination, and transition. 2 Lecture, 3 Lab. **Prerequisites** BKSE 240, GPA 2.75 or higher, Admission to Teacher Education. **Credits** 3

**BKSE 415 - Evaluation & Intervention of Social-Emotional Competencies in Young Children**

Causes, prevention, assessment and intervention strategies when working with young children with challenging behaviors. **Prerequisites** GPA of 2.75. **Credits** 3

**BKSE 427 - Teaching Reading to Young Children w/Disabilities**

Methods and materials for teaching reading to young children with disabilities. **Prerequisites** GPA of 2.75. Admission to Teacher Education. **Credits** 3

**SPED 200 - Survey of Exceptionalities**
Historical, philosophical, and legal basis of special education; characteristics and related educational needs of children with disabilities; models of delivery of services and trends in special education for children birth to five years old. **Prerequisites** BK 260 and admission to professional education sequence. **Credits** 3

**SPED 240 - The Exceptional Child**

Areas and characteristics of exceptionalities; problems in learning and personal-social adjustment of exceptional children; educational alternatives. **Credits** 3

**SPED 241 - Exceptional Learners in the Adapted Curriculum**

Definition of severe disabilities, issues people with severe disabilities face, and the issues relevant to the education of learners with severe disabilities. **Prerequisites** SPED 240. **Credits** 3

**SPED 310 - Assessment for Instruction**

Developing and using assessment programs and evaluation procedures. **Credits** 3

**SPED 311 - Positive Behavioral Supports for Students with Severe Disabilities**

Positive behavioral supports, functional behavioral assessments and positive behavioral support plans for students with severe disabilities. **Prerequisites** SPED 240 and SPED 241. **Credits** 3

**SPED 312 - Teaching Elementary Students with Learning Problems (K-6)**

Methods and materials for evaluating and instructing children with mild to moderate learning problems. **Prerequisites** SPED 240, admission to the professional education sequence. **Credits** 3

**SPED 315 - Post-Secondary Education for Students with Intellectual Disabilities**

This course provides information about principles and practices of providing post-secondary education to students with intellectual disabilities on a college campus. **Prerequisites** Permission of instructor required. **Credits** 3

**SPED 335 - Teaching Exceptional Children**

Overview of exceptional children; emphasis on methods and materials for integrating students into regular classrooms. Field experience required. **Prerequisites** Admission to the teacher education program or permission of department head. **Credits** 2

**SPED 336 - Teaching Exceptional Children in Secondary Education**

Overview of exceptional children; emphasis on methods and materials for integrating students into general classrooms at the middle and secondary level. Field experience required. **Prerequisites** Admission to the teacher education program or
permission of department head. **Credits** 3

**SPED 337 - Teaching Exceptional Children in Elementary and Middle Grades**

Overview of exceptional children; emphasis on methods and materials for integrating students into general classrooms in elementary and middle grades. Field experience required. **Prerequisites** Admission to the teacher education program or permission of department head. **Credits** 3

**SPED 339 - Designing Classrooms as Responsive Learning Communities**

Creating learning communities responsive to individual and cultural differences and exceptionalities. Field experience and subscription to TaskStream® required. **Prerequisites** EDCI 201, and Admission to Teacher Education. **Credits** 3

**SPED 344 - Assistive Technology for Severe Disabilities**

Use of assistive technology such as augmentative and alternative communication devices, and devices to support the health and medical needs of people with severe disabilities. **Prerequisites** SPED 240 and SPED 241. **Credits** 3

**SPED 389 - Cooperative Education in Special Education**

See Cooperative Education Program. **Credits** 1 or 3, R15

**SPED 400 - Creative Thinking and Problem-Solving**

Exploration of creative thinking; emphasis on current research and present methodologies of problem-solving. **Credits** 3

**SPED 401 - Exceptional Learners in the General Curriculum**

Inclusion of students with mild disabilities in the general curriculum; the Response to Intervention model. **Credits** 3

**SPED 407 - Behavioral Issues in the General Curriculum**

An introduction to behavioral disorders including characteristics, referral, assessment, and placement of individuals with behavioral disorders. **Prerequisites** SPED 240 or permission of department head. **Credits** 3

**SPED 413 - Teaching Adolescents with Learning Problems**

Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives. **Prerequisites** SPED 312, admission to professional-education sequence, senior status. **Credits** 3

**SPED 414 - Curriculum and Methods for Students in the Adapted Curriculum**

Functional curriculum development and implementation of effective systematic instructional strategies with learners who have severe
disabilities. **Prerequisites** SPED 240 and SPED 241. **Credits** 3

**SPED 417 - Managing Classrooms for Exceptional Children**

Principles and techniques of classroom and behavior management. **Prerequisites** SPED 240 and admission to the teacher education program. **Credits** 3

**SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities**

Methods and materials for teaching reading to individuals with mild to moderated disabilities. **Prerequisites** SPED 240 and admission to the professional education sequence. **Credits** 3

**SPED 430 - Classroom Leadership**

Becoming a proactive educator and collaborating with other professionals, community, and families. **Prerequisites** Admission to Teacher Education. **Credits** 3

**SPED 432 - The Physically Handicapped Child**

Social, psychological, and medical problems of children with physical disabilities. **Credits** 3

**SPED 467 - Home-Based Intervention**

Methods and materials for providing home-based intervention; working collaboratively with families and other service providers to promote effective service delivery. 2 Lecture, 3 Lab. **Prerequisites** SPED 240; CDFR 363; or permission of instructor. **Credits** 3

**SPED 470 - Early Childhood Curriculum**

Materials, environments, and interactions for two- to five-year olds in all curricular areas, including thinking and social problem-solving for children with and without disabilities. This course is cross-listed with BK and EDEL 470. 2 Lecture, 3 Lab. **Credits** 3

**SPED 471 - Foundations of Gifted and Creative Education**

Historical concepts of gifted education; definitions of giftedness, characteristics, and unique needs of gifted and creative students; screening and identification procedures. **Credits** 3

**SPED 475 - Methods and Models of Gifted and Creative Education**

Examination and analysis of the methods and models of gifted and creative education. **Credits** 3

**SPED 477 - Curriculum Differentiation for Gifted and Creative Learners**

Exploration of ways to adapt content, process, product, and the learning environment to provide appropriate learning experiences for gifted and creative students. **Credits** 3

**SPED 480 - Independent Study in Special Education**

Individual study in Special Education. **Credits** 1-3, R6
SPED 484 - Inclusive Education
Internship I

Three to nine hours field experience. Three hours per credit hour. **Prerequisites** Written application, permission of instructor and advisor. **Credits** 1-3

SPED 485 - Field Experience in Teaching

Supervised experience for a second teaching certificate or for an initial certification for individuals who are employed as full-time teachers. Nine hours per week. **Credits** 3, R6

SPED 489 - Inclusive Education
Internship II

A full-time teaching experience. **Corequisites** SPED 490. **Credits** 9

SM 260 - Introduction to Sport Management

Career opportunities, competencies, and management skills; overview of management functions and ethics; history of sport management. **Credits** 3

SM 283 - Apprenticeship

Apprenticeship to develop necessary skills before entering the required internship. 3 Lab. **Prerequisites** Permission of department head. **Credits** 1, R3

SM 314 - Sport Data CAMP

This course introduces students to basic data analysis techniques within the context of conducting market research. Students Collect, Analyze, Manipulate, and Present (CAMP) data on sport consumers, seeing the market research process from end-to-end and leaving the course with a finished deliverable. They also learn other techniques to help answer questions using data, such as on-field performance metrics. **Prerequisites** QA 235 or MATH 170. **Credits** 3

SM 315 - Introduction to Intramurals and Recreational Sport Management

Organization, administration, history, and theoretical concepts of intramurals and recreational sport management in the public school, college, and military settings. **Prerequisites** Junior standing or permission of instructor. **Credits** 3

SM 330 - Aquatic Recreation Management

Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool
Operator certification. This course is cross-listed with PRM 330. **Credits 3**

**SM 340 - Sport Ethics**

Examination of ethical principles to sport-specific issues within the context of managing sport services. (P4). **Credits 3**

**SM 350 - Global sport and culture**

An interdisciplinary examination of sport as a global phenomenon. Historical, cultural, political, economic, and managerial perspectives are considered. Focus is given to international sport leagues and teams, the globalization of sport, global cultural influences on sport, market dynamics, emerging contemporary issues in the global sports industry, and U.S. based sport organizations operating internationally. (P6). **Credits 3**

**SM 361 - Sport Marketing**

Historical study of sport marketing; techniques in developing sport sponsorship proposals and effective sport promotions; sport marketing applications. **Prerequisites** MKT 201; junior standing. **Credits 3**

**SM 380 - Independent Study**

A topic in sport management agreed upon by student and instructor. **Prerequisites** ENGL 202; permission of department head. **Credits 1-3, R3**

**SM 389 - Cooperative Education in Sport Management**

Cooperative Education in Sport Management. **Prerequisites** Permission of instructor. See Cooperative Education Program. **Credits 1 or 3, R15**

**SM 420 - Risk Management and Liability in Sport**

Liability associated with sports and the sport industry, including risk management systems and legal strategies to minimize liability. **Credits 3**

**SM 435 - Sport Event and Facility Management**

Study of current trends and the management and marketing of sporting events and sport facilities. Basic terminology and building designs of sport facilities are also discussed. **Prerequisites** SM 260 and Junior standing. **Credits 3**

**SM 445 - Sport Administration**

Current issues in sport administration. **Credits 3**

**SM 446 - Sport Media**

This course examines the business of sports related media, including but not limited to television, print, radio, and internet based outlets across amateur and professional sport. Perspectives include content development, information dissemination, revenue generation, as well as challenges and changes that are likely in the future. **Prerequisites** SM 260 and junior standing. **Credits 3**

**SM 460 - Financial Aspects of Sport**
Financial considerations important to sport; budgeting, fundraising, and economic impact of sport events; historical aspects. **Prerequisites** SM 260 and FIN 305. **Credits** 3

**SM 484 - Internship in Sport Management**

Experiences relating theory to practice in a specific area of sport management. **Prerequisites** SM 260, SM 283, SM 495, at least 90 in progress credit hours, and permission of instructor. **Credits** 3

**SM 485 - Internship in Sport Management**

Experiences relating theory to practice in a specific area of sport management. **Prerequisites** Permission of program coordinator or completion of all required coursework in the major. **Credits** 3

**SM 495 - Sport Management Strategy**

Analysis of management, organizational structure, and strategic planning in sport organizations; current issues in sport management. **Prerequisites** Junior standing and permission of instructor. **Credits** 3

**Telecommunications Engineering Technology**

**TEL 346 - Wide Area Networks**

Study of transmission equipment, switching technologies, interconnection, and protocols associated with the telecommunications industry. 3 Lecture, 2 Lab/week. **Prerequisites** TEL 345. **Credits** 4

**TEL 444 - Wireless Systems**

Application of communication theory, digital signal processing, and digital modulation to wireless systems. 3 Lecture, 2 Lab/week. **Prerequisites** TEL 312 or equivalent. **Credits** 4

**TEL 445 - Network Planning and Design I**

An engineering approach to establishing telecommunications networks locally and globally. Communications network simulation is introduced and used to design networks. 2 Lecture, 2 Lab/week. **Prerequisites** TEL 346. **Credits** 3

**TEL 446 - Telecommunications Management**

A study of the technical and management issues associated with the administration of complex, highly integrated networks. A variety of hardware and software tools will be discussed. 2 Lecture, 2 Lab/week. **Prerequisites** TEL 346. **Credits** 3

**TEL 480 - Problems in Telecommunications**

Independent study in telecommunications engineering technology: project required. **Prerequisites** Permission of adviser and instructor. **Credits** 1-3, R6

**TEL 493 - Special Topics**
Current topics in telecommunications. **Prerequisites** Permission of instructor. **Credits** 1-3, R6

**Theatre**

**THEA 104 - The Theatre Experience**

Analysis of what the theatre is about, what goes on in the theatre, and what it means to be a viewer. (P5). **Credits** 3

**THEA 106 - Applied Voice I**

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course may be repeated up to three times. **Prerequisites** Admission in to the Musical Theatre program or permission of the Instructor. **Credits** 1, R3

**THEA 110 - Stage and Film Crafts I**

Fundamentals of Scenery and Lighting. **Prerequisites** Admission in to the BFA Theatre, Entertainment Design and Technology program or by Permission of Instructor. **Credits** 3

**THEA 111 - Stage and Film Crafts II**

Fundamentals of Properties, Costumes, and Paint. **Prerequisites** THEA 110 or by Permission of Instructor. **Credits** 3

**THEA 122 - Design Basics**

Introduction to theatrical design in scenic, lighting, costume, sound, and properties. **Prerequisites** Admission into the BFA in Entertainment Design and Technology or BA in Stage and Screen programs. **Credits** 3

**THEA 123 - Presentation Media**

This course focuses on design drawings and renderings for theatre and film. **Prerequisites** Admission into BFA Theatre Program or by Permission of Instructor. **Credits** 3

**THEA 124 - Stage and Film Makeup**

Exploration of the materials and techniques used in the art of makeup for the stage and film. **Prerequisites** Admission into the Theatre BFA or BA in the School of Stage and Screen or by Permission of Instructor. **Credits** 3

**THEA 130 - Makeup**

Application of stage makeup. **Credits** 1

**THEA 140 - Acting I**

Introduction to the basic principles of acting. **Credits** 3

**THEA 145 - Foundations of Stage and Screen**

Comprehensive first year experience for all admitted Stage and Screen students, covering basic production, theory, and history of the storytelling arts. **Prerequisites** Admission in to one of the BFA or BA programs in the School of Stage and Screen. **Credits** 3

**THEA 148 - Musicianship for Musical Theatre I**
Musicianship for Musical Theatre combines music theory, ear training, and piano skills to help the musical theatre student gain independence as a music learner. **Prerequisites** Admission in to the Musical Theatre BFA program or permission of instructor. **Credits** 3

**THEA 149 - Musicianship for Musical Theatre II**

Musicianship for Musical Theatre II builds off of concepts learned in Musicianship for Musical Theatre I, combining advanced music theory, ear training, and piano skills to help the musical theatre student gain independence as a music learner. **Prerequisites** THEA 148. **Credits** 3

**THEA 172 - Theatre Production: Stagecraft**

Hands-on participation in the construction, installation or operation of the technical elements of stage lighting, sound and scenery. **Credits** 1, R2

**THEA 180 - Acting I**

Introduction to the basic principles of acting. **Prerequisites** Admission in to one of the BFA or BA programs in the School of Stage and Screen or permission of instructor. **Credits** 3

**THEA 185 - Acting for the Camera I**

The art of acting as it relates to the television/film environment. **Prerequisites** THEA 180 or permission of Instructor. **Credits** 3

**THEA 200 - Script Analysis**

Contemporary techniques for analyzing plays for the purpose of production and scholarly pursuits. **Prerequisites** THEA 145 or permission of instructor. **Credits** 3

**THEA 206 - Applied Voice II**

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course is repeatable for up to 3 times. **Prerequisites** THEA 106 or permission of the Instructor. **Credits** 1, R3

**THEA 208 - Song Study**

A performance class geared toward developing the musical theatre student's individual repertoire. **Prerequisites** THEA 149 or permission of instructor. **Credits** 1

**THEA 209 - Musical Theatre Ensembles**

Study, rehearsal, and performance of musical theatre ensemble numbers, ranging from trios to full-class numbers. **Prerequisites** THEA 149 or permission of Instructor. **Credits** 1

**THEA 220 - Stage Movement**

Basic stage movement techniques using physicality to create realistic and effective characterizations. Includes Stage Combat. **Credits** 3

**THEA 230 - Playwriting**
The study of the art and craft of playwriting in short and long form. **Prerequisites** THEA 200 or permission of Instructor; Declared major in BA Stage and Screen. **Credits** 3

**THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting)**

Practical introduction to scenic construction, lighting and associated crafts for theatre, motion picture and television. **Credits** 3

**THEA 235 - Stage Management**

Introduction to stage management. An analysis of organizational communication and the structure of the productions team. Including exploring the unique relationship with the Director. **Credits** 3

**THEA 236 - Scenic Painting**

Techniques for painting scenic elements of production. **Prerequisites** Permission of Instructor. **Credits** 3

**THEA 237 - Costume Crafts and Makeup**

Introduction to costume crafts, construction, wardrobe and makeup for Theatre, Motion Picture and TV. **Credits** 3

**THEA 239 - Sound Technology**

This course explores the subject of audio technology via physical and perceptual aspects of sound. **Prerequisites** THEA 145 and THEA 122 or by Permission of Instructor. **Credits** 3

**THEA 240 - Voice and Articulation**

Breath and sound production, vocal range, projection, and vowel and consonant production for standard American speech and character voices. **Credits** 3

**THEA 260 - Dialects**

The study of dialects and accents for the actor. **Prerequisites** THEA 240. **Credits** 1

**THEA 270 - Theatre Arts Workshops I**

Practical experience in productions. **Prerequisites** Admission in to BFA or BA Theatre Programs in the School of Stage and Screen or by Instructor permission. **Credits** 1, R12

**THEA 280 - Acting for the Camera II**

Acting for the Camera II builds off of principles learned in Acting for the Camera 1. **Prerequisites** THEA 185. **Credits** 3

**THEA 285 - Acting II**

Introduction to character analysis and styles. **Prerequisites** THEA 180. **Credits** 3

**THEA 300 - Improv**

An advanced level acting course focusing on ensemble and solo work without a script. **Prerequisites** THEA 180. **Credits** 3

**THEA 305 - Properties Design**
An introduction to the professional theatrical and cinemagraphic properties design. **Prerequisites** THEA 122. **Credits** 3

**THEA 306 - Applied Voice III**

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course is repeatable for up to three times. **Prerequisites** THEA 206 or permission of the Instructor. **Credits** 1, R3

**THEA 308 - Lighting Design**

An introduction to the technical skills needed in setting up and running lighting equipment for Theatre and Film. **Prerequisites** THEA 122. **Credits** 3

**THEA 310 - World Theatre**

Students will explore Non-Western theatrical works (Asian, Hispanic, African) and Western works that focus on multicultural perspectives and cultural diversity. (P5). **Credits** 3

**THEA 311 - Costume Design**

The aesthetic, historical, and practical design of costumes and accessories for stage and screen. **Prerequisites** THEA 122 or Permission of Instructor. **Credits** 3

**THEA 312 - Scenic Design**

Computer-aided and hand-drafted scenic design for Stage and Screen. **Prerequisites** THEA 122 or Permission of Instructor. **Credits** 3

**THEA 320 - Stage Movement II**

Advanced studio class for stage movement, emphasis on stage combat, including safety and methods with a focus on rapier and dagger skills. **Prerequisites** THEA 220 and Permission of Instructor. **Credits** 3, R2

**THEA 322 - Period Styles**

An overview of the history of art, architecture, interior design, and costume history from Ancient Egypt to modern day with a lens for theatrical designers. **Prerequisites** THEA 311 and THEA 337 or by permission of Instructor. **Credits** 3

**THEA 330 - Makeup II**

Advanced makeup techniques and makeup design integrating makeup, hair, and wigs. Project oriented. 3 Lab. **Prerequisites** THEA 130. **Credits** 1

**THEA 332 - Introduction to Design for Stage and Screen**

Principles and practices of design as applied to theatre, motion pictures and television. Project oriented. **Prerequisites** THEA 131. **Credits** 3

**THEA 333 - Scenic Technology**

Advanced theory and practice in technology associated with scenic construction, emphasis on preparation for supervision of a basic scene.
Prerequisites THEA 332. Credits 3

THEA 335 - Lighting Technology

Advanced theory and practices in technology associated with theatre lighting, emphasis on preparation for supervision of lighting crew. Prerequisites THEA 332. Credits 3

THEA 337 - Costume Technology

Advanced theory and practice associated with costume construction, emphasis on preparation for supervision of a basic costume shop. Prerequisites THEA 237. Credits 3

THEA 340 - Acting II

Introduction to character analysis and styles. Prerequisites THEA 131 and THEA 140. Credits 3

THEA 341 - Acting III

Advanced scene work for theatre majors. Prerequisites THEA 340. Credits 3

THEA 345 - Acting for the Camera I

The art of acting as it relates to the television/film environment. Prerequisites THEA 140 or THEA 340. Credits 3

THEA 346 - Acting for the Camera II

Acting for the Camera II. Prerequisites THEA 345. Credits 3

THEA 350 - Directing I

Survey and practical application of the basic theories of play directing. Prerequisites THEA 131, THEA 140, or THEA 231. Credits 3

THEA 351 - Directing II

Directing colloquium: production problems and solutions. Prerequisites THEA 350. Credits 3

THEA 385 - Acting for the Camera III

Focusing on advanced in-class collaborative performance, theories for on camera acting, and skills developed in Acting for the Camera I and II. Prerequisites Admission into the BFA in Acting for Stage and Screen program, THEA 185, THEA 280, or by permission of instructor. Credits 3

THEA 386 - Auditions

An advanced-level class to develop self-awareness as actors, singers, and dancers in an audition setting. Prerequisites THEA 180 and THEA 185, or by permission of instructor. Credits 3

THEA 389 - Cooperative Education in Theatre Arts

See Cooperative Education Program. Prerequisites Completed 60 hours and permission of department head. Credits 1-3, R6

THEA 400 - History of Theatre

Origins, development of theatrical forms, and style through the study of
acting, physical facilities, design, and cultural milieu from selected eras of history; Greek period to contemporary. **Prerequisites** THEA 190, THEA 200, or by permission of instructor. **Credits** 3

**THEA 406 - Applied Voice IV**

Applied voice study for Musical Theatre students with one half-hour private lesson per week. Each student will perform throughout the semester in Studio within a masterclass setting. This course is repeatable for up to three times. **Prerequisites** THEA 306 or permission of the Instructor. **Credits** 1, R3

**THEA 408 - Vocal Technique**

Applied voice study for Musical Theatre students with one-hour private instruction per week. Each student will perform throughout the semester in Studio within a masterclass setting. **Prerequisites** Permission of Instructor. **Credits** 2, R4

**THEA 432 - Design I**

Theoretical and practical approach to design of scenery, costumes and lighting for stage and screen. Project oriented; emphasis on portfolio preparation. **Prerequisites** THEA 332, or Permission of instructor. **Credits** 3

**THEA 438 - Period Styles**

Survey of costume/clothing as a statement of personal identity, and as a mirror of society. Ancient world through 20th century. **Credits** 3

**THEA 439 - Arts & Entrepreneurship**

This course serves as the prerequisite survey of arts management by covering the principles of arts entrepreneurship and management. Arts & Entrepreneurship is designed for arts practitioners seeking to increase their knowledge of contemporary arts entrepreneurship and management practice. In this course students will choose a concentration or focus such as visual arts, music, theater, dance, etc. This course provides the background necessary for understanding the current global arts marketplace, but assumes that arts businesses and organizations must adopt an entrepreneurial approach to thrive in the current and future marketplaces. **Credits** 3

**THEA 440 - Voice and Articulation II**

An advanced-level course in vocal production for the actor, encompassing techniques for both contemporary and classical production and articulation, including dialect use. **Prerequisites** THEA 240 or by permission of instructor. **Credits** 3

**THEA 441 - Acting IV**

In-depth character analysis and application. **Prerequisites** THEA 341. **Credits** 3

**THEA 442 - Design II**

Advanced theoretical and practical approach to scenery, costume and lighting design for stage and screen; Project oriented; emphasis on portfolio preparation. **Prerequisites** THEA 432 or permission of instructor. **Credits** 3
THEA 450 - Arts & Entrepreneurship Intensive

This course is designed to complement the core courses in the Arts & Entrepreneurship Undergraduate Certificate by providing a targeted and intense education in the business of the arts. Over the academic year three-to-six guest lecturers are brought to campus to present workshops or master classes on a variety of arts and entrepreneurship topics. These workshops or master classes, focused on applied learning, consist of 15 contact hours for 1 hour of academic credit. These sessions are scheduled in a variety of ways to accommodate student schedules, including online instruction. This course may be repeated up to six credit hours. Credits 1, R6

THEA 478 - Acting for the Camera IV

Focusing on in-class collaborative performance with film and television production students and preparation for the industry. Prerequisites Admission into BFA in Acting for Stage and Screen Program and THEA 385 or by permission of instructor. Credits 3

THEA 483 - Internship in Theatre Arts

Work experience in the theatre industry. S/U grading. Nine hours per week per three-hour course. Prerequisites Completed 60 hours and/or permission of department head. Credits 3, R9

THEA 485 - Acting IV

In-depth character analysis and application, focusing on Shakespeare text, monologues and scene work. Prerequisites THEA 341 or by permission of instructor. Credits 3

THEA 486 - Theatre Production

Intensive training in performance, design, or theatre technology. Prerequisites Permission of department head. Credits 3, R12

THEA 493 - Selected Topics in Theatre Studies

Study in a special area of interest in theatre. Credits 1-3, R9

THEA 495 - BA Senior Project

Capstone course for the BA in Stage & screen. Course is intended to synthesize and demonstrate acquired knowledge and skills related to the associated industry. Credits 3

THEA 496 - Seminar in Professional Development

Seminar in career preparation for the emerging professional. Prerequisites Senior status. Credits 1

THEA 497 - Design/Tech Capstone

Synthesis and professional presentation of new and innovative student-driven work in Entertainment Design and Technology. Prerequisites Permission of Instructor. Credits 3

THEA 499 - BFA Thesis/Senior Showcase

BFA Thesis/Senior Showcase. Credits 2
University Studies-Interdisciplinary

USI 130 - The University Experience

Introduction to the university and to higher education. Discussion of issues involved in the transition from high school to college. Emphasis on academic and career planning and personal development. **Credits 1**

USI 150 - Career and Major Exploration

Theory and practice of career, major and self-exploration. **Credits 1**

USI 180 - The Research Scholar

Provide students the opportunity to work on a research team, conduct research and be mentored to present their research findings in a professional setting. **Prerequisites** Permission of instructor. **Credits 1**

USI 190 - Research and Critical Inquiry

USI 190 is a three-hour credit first-year seminar (FYS) course for WCU first-year students. The cap for the course is 20. To make advancements, from cutting edge technology to medical breakthroughs to world economies, *quality* research is critical…and very exciting! These days, tracing primary resources and finding facts is a survival-skill. This FYS provides students with the opportunity to discover the imperative that is research for the greater good in every imaginable discipline, why it's important and beneficial to persons, places and planets. Students will explore and critically analyze various sources of information, particularly peer-reviewed literature and engage in the research process by participating in a research team with WCU faculty and student mentors. Students end the semester with their own personal research agenda, making their way on an accelerated path to successful undergraduate research pursuits. **Credits 3**

USI 202 - Introduction to Peer Tutoring

Theory, practice, and procedures for beginning peer tutoring. Topics include tutoring guidelines and responsibilities, communication skills, learning theory, critical thinking, study skills, and professional ethics. **Prerequisites** Obtain permission from WaLC Director or Associate Director. **Credits 1**

USI 302 - Intermediate Peer Tutoring and Mentoring

Theory, practice, and procedures in advanced peer tutoring; includes cultural awareness/intercultural communication, assessing study behaviors, tutoring in specific skill areas, and mentoring new tutors. **Prerequisites** USI 202 and permission from Director or Associate Director of WaLC. **Credits 1**

USI 380 - Undergraduate Research in the Discipline

Provides students the opportunity to conduct undergraduate research and be mentored by a WCU faculty
USI 402 - Leadership in Peer Tutoring

Leadership development for advanced tutors. Topics include the role of learning centers in higher education, self-regulated learning, training and supervising others, and tutoring specific populations. **Prerequisites** USI 202, 302, and permission from Director or Associate Director of WaLC. **Credits** 3

World Languages

WLL 311 - Introduction to Linguistics

Designed to give students a linguistic background, with a dual synchronic-diachronic approach, and emphasis on etymology, morphology, phonology, syntax, and semantics. **Prerequisites** One SPAN 301, FREN 301, GER 301, or permission of department head. **Credits** 3

WLL 380 - Language Immersion Experience

Students will live in the World Language House for one academic year, speak only the target language, will register for WLL 380 in the spring. S/U grading. **Prerequisites** Permission of Department Head. **Credits** 1
Faculty Listing

Andrew D. Adams; Associate Dean/Assoc Prof; Office, Dean, Fine & Performing Art; DMA, Univ of Colorado at Boulder*, 2005; MM, Univ Illinois Urbana*, 1990; BM, Univ Missouri Kansas City, 1988; Date of Appointment 2006

Erin Elizabeth Adams; Associate Professor; School of Art & Design; MS, Colorado State Univ Ft Collins, 2008; BS, Colorado State Univ Ft Collins, 2007; BA, Louisiana Tech University, 1996; Date of Appointment 2008

Mary Adams; Associate Professor; English; PHD, Univ Houston Main Campus*, 1995; MFA, University of Iowa, 1989; BA, Smith College, 1984; Date of Appointment 1995

Rachel Caroline Adams; Lecturer; English; MA, Western Carolina University, 2014; BS, Gardner-Webb University, 2009; Date of Appointment 2016

Robert D Adams; Associate Professor; School of Engineering & Technology; PHD, Univ Alabama Huntsville, 2003; MS, Johns Hopkins Univ*, 1991; BS, Clarkson University, 1983; Date of Appointment 2003

Tina Marie Adams; Elec Res Lib/Asst Prof; Office of the Dean - Hunter Library; MA, Univ South Florida, 2001; BA, Univ South Florida, 1999; Date of Appointment 2015

Saheed Aderinto; Associate Professor; History; PHD, Univ Texas Austin, 2010; MA, Univ Texas Austin, 2007; BA, Foreign Instit, 2004; Date of Appointment 2010

Gregory Patrick Adkison; Instructor; Biology; PHD, University of Kentucky, 2000; MA, Indiana St Univ Terre Haute*, 1991; BSED, Jackson State University, 1988; BS, Jackson State University, 1987; Date of Appointment 2002

Oliver Wayne Aho; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Marylhurst University, 2011; BS, Western Kentucky University, 1969; Date of Appointment 2015

Ahmed Jalil Al-Bayati; Assistant Professor; Kimmel School of Construction Mngmt; PHD, Westrn Michigan University, 2017; MCM, East Carolina University, 2013; BS, Foreign Instit, 2003; Date of Appointment 2017

Catherine Megan Allen; Assistant Professor; Social Work; MSW, Western Carolina University, 2011; Date of Appointment 2017

Grace C Allen; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ South Carolina Columbia*, 1991; MBA, Appalachian State University, 1985; BA, Agnes Scott College, 1978; Date of Appointment 1991

Vittal Anantatmula; Professor; Econ, Mgt, Proj Mgt; DSC, George Washington University, 2004; MS, George Washington University, 1995; MBA, Foreign Instit, 1991; BS, Foreign Instit, 1977; Date of Appointment 2005
Elizabeth Bagwell Anderson; Assistant Professor; Social Work; DSW, Univ Tennessee Knoxville*, 2014; MSW, Virginia Commonwealth Univ, 2000; BSW, James Madison University, 1998; Date of Appointment 2016

Leigh Ann Angel; Assistant Professor; School of Nursing; MS, Western Carolina University, 2012; BS, Western Carolina University, 2002; Date of Appointment 2014

James Arledge Armenaki; Assoc Prof; School of Stage & Screen; BA, Brooks Institute Photography, 1974; Date of Appointment 2005

Terri E. Armfield; Associate Professor; School of Music; DMA, University of Kentucky, 2003; MMA, University of Iowa, 2000; BFA, Univ Nebraska Omaha, 1976; Date of Appointment 2004

Kia Karin Terese Asberg; Associate Professor; Psychology; PHD, Univ Central Florida, 2008; MS, Univ Central Florida, 2005; BS, Florida State University, 2000; Date of Appointment 2008

Thomas Duff Ashcraft; Distinguished Professor; School of Art & Design; MFA, Indiana Univ Bloomington*, 1982; Date of Appointment 2015

Risto Atanasov; Associate Professor; Mathematics & Computer Science; PHD, SUNY at Binghamton, 2007; MA, Foreign Instit, 1998; BA, Foreign Instit, 1993; Date of Appointment 2007

Cynthia Ann Atterholt; Associate Professor; Chemistry & Physics; PHD, University of California-Davis, 1996; MBA, Winthrop University, 1987; BS, Kent State University, 1977; Date of Appointment 1996

Dan Curtis Atterholt; Lecturer; Mathematics & Computer Science; MA, Winthrop University, 1991; BA, Univ South Carolina Columbia*, 1986; Date of Appointment 2012

Barbara E Ballentine; Associate Professor; Biology; PHD, Duke University, 2006; MS, Auburn University, 2000; BS, UNC at Chapel Hill, 1993; Date of Appointment 2013

Lily Graessle Balloffet; Assistant Professor; History; PHD, University of California-Davis, 2015; BA, Wellesley College, 2006; Date of Appointment 2016

Debasish Banerjee; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Arkansas Fayetteville*, 1992; MBA, Univ Arkansas Fayetteville*, 1987; MS, Foreign Instit, 1971; BS, Foreign Instit, 1968; Date of Appointment 1996

Kaitlin Bargreen; Instructor; Human Services; PHD, Univ Tennessee Knoxville*, 2010; MS, Univ Tennessee Knoxville*, 2006; BS, Univ Tennessee Knoxville*, 2005; Date of Appointment 2016

Cara Marie Barker; Assistant Professor; Office of the Dean - Hunter Library; MLIS, Univ of Washington, Seattle, 2014; Date of Appointment 2015

Scott Anthony Barlowe; Assistant Professor; Mathematics & Computer Science; PHD, Univ North Carolina Charlotte, 2011; MS, Appalachian State University, 2005; BS, Appalachian State University, 1996; Date of Appointment 2006
Julia Barnes; Professor; Mathematics & Computer Science; PHD, UNC at Chapel Hill, 1996; BS, Univ Central Florida, 1990; Date of Appointment 1996

Jennifer Mynes Barrett Tatum; Assistant Professor; School of Teaching and Learning; PHD, Georgia State University, 2013; MS, Univ Tennessee Knoxville*, 2004; BS, Univ Tennessee Knoxville*, 2003; Date of Appointment 2017

Tammy Lankford Barron; Assistant Professor; School of Teaching and Learning; PHD, Univ North Carolina Greensboro, 2015; MED, Univ North Carolina Greensboro, 2009; BA, Univ North Carolina Charlotte, 1999; Date of Appointment 2016

Peter Caldwell Bates; Associate Professor; Geosciences & Natural Resources; PHD, Univ of Minnesota-Twin Cities, 1990; MS, Montana State Univ Bozeman, 1981; BS, Univ Montana, 1977; Date of Appointment 1993

Robert J. Beaudet; Associate Professor; School of Teaching and Learning; PHD, Florida State University, 1997; MS, Univ South Florida, 1994; BS, Univ South Florida, 1985; Date of Appointment 2002

Derek Raymond Becker; Assistant Professor; Human Services; PHD, Oregon State University, 2016; MA, Calif St Univ San Bernardino, 2009; BA, Calif St Univ San Bernardino, 2005; Date of Appointment 2016

Ingrid Bego; Assistant Professor; Political Science & Public Affairs; PHD, Washington State Univ, 2011; MA, Washington State Univ, 2006; BA, Washburn University, 2002; BA, Washburn University, 2002; Date of Appointment 2016

Thomas N. Belt; Cherokee Lang Coord/Inst; World Languages; Date of Appointment 2006

Travis Bennett; Professor; School of Music; DMA, Univ Alabama Tuscaloosa*, 2003; MM, Univ Alabama Tuscaloosa*, 2000; BM, Florida State University, 1998; Date of Appointment 2006

Daniel James Best; Instructor; Mathematics & Computer Science; MA, Miami Univ Oxford, 2000; BA, Miami Univ Oxford, 1992; Date of Appointment 2008

Christopher John Beyt; Assistant Professor; School of Music; DMA, Univ Illinois Urbana*, 2014; MA, Univ North Texas, 2008; BA, Loyola Univ New Orleans, 2003; Date of Appointment 2017

Russell Binkley; Associate Professor; School of Teaching and Learning; PHD, Univ Illinois Urbana*, 2005; MS, Eastern Illinois University, 1999; BA, Abilene Chrstn Univ Abilene, 1976; Date of Appointment 2004

Melissa Dee Birkhofer; Lecturer; English; PHD, UNC at Chapel Hill, 2012; MA, UNC at Chapel Hill, 2007; BA, UNC at Chapel Hill, 2000; Date of Appointment 2015

Paromita Biswas; Assistant Professor; Office of the Dean - Hunter Library; MLIS, Univ Calif Los Angeles, 2012; PHD, Univ Calif Los Angeles, 2008; MA, Univ Calif Los Angeles, 2002; Date of Appointment 2013
Eleanor Jane Blair; Assoc Prof; School of Teaching and Learning; PHD, Univ Tennessee Knoxville*, 1987; MS, Univ Tennessee Knoxville*, 1982; MS, Univ Tennessee Knoxville*, 1982; BS, Univ Tennessee Knoxville*, 1977; Date of Appointment 1993

Lisa Arlene Bloom; J. Robinson Professor; School of Teaching and Learning; EDD, West Virginia University, 1989; BS, Indiana Univ Pennsylvania, 1980; Date of Appointment 1989

Candace H. Boan-Lenzo; Assoc Prof; Psychology; PHD, Univ Alabama Tuscaloosa*, 1998; MA, Univ Alabama Tuscaloosa*, 1995; BS, College of Charleston, 1993; Date of Appointment 1998

Michael David Boatright; Asst Prof; English; PHD, Univ Georgia Athens*, 2011; MED, Univ Georgia Athens*, 1999; BA, Univ Georgia Athens*, 1998; Date of Appointment 2012

Andrew Jerome Bobilya; Associate Professor; Human Services; PHD, Univ of Minnesota-Twin Cities, 2004; Date of Appointment 2014

Nathan Allan Borchelt; Associate Professor; Mathematics & Computer Science; PHD, Georgia State University, 2005; MST, University of Florida, 1996; BS, Newberry College, 1994; Date of Appointment 2011

Indrani Bose; Associate Professor; Biology; PHD, Duke University, 2001; MS, Foreign Insti, 1991; BS, Foreign Insti, 1989; Date of Appointment 2007

James Kyle Boudreau; SS Adjunct; Biology; MS, Western Carolina University, 2011; Date of Appointment 2014

Linda S Bowers; Clinical Supervisor; Comm Sciences & Disorders; MS, Auburn University, 1975; BA, Florida Southern College, 1970; Date of Appointment 1978

Jonathan Lennon Bradshaw; Assistant Professor; English; PHD, Miami Univ Oxford, 2016; MA, Appalachian State University, 2008; BA, Campbell University, 2005; Date of Appointment 2016

Susan Smith Braithwaite; Assistant Professor; School of Health Sciences; PHD, NC State University, 2014; MAED, NC State University, 2007; BS, Western Carolina University, 1988; Date of Appointment 2012

Julie Nicole Brancale; Assistant Professor; Criminology & Criminal Justice; PHD, Florida State University, 2017; MS, Florida State University, 2011; BS, Florida State University, 2008; Date of Appointment 2017

Kathleen Mary Brennan; Assoc Prof/Dept Head; Anthropology & Sociology; PHD, Kent State University, 2002; MA, Kent State University, 1998; BA, Kent State University, 1995; Date of Appointment 2003

Patricia L. Bricker; Assoc Prof/Asst Dir; School of Teaching and Learning; EDD, Univ Tennessee Knoxville*, 2005; MS, University of Rochester, 1993; MSED, University of Rochester, 1993; BS, Cornell University, 1989; Date of Appointment 2001

Rachel York Bridgers; Lecturer; English; MA, Western Carolina
University, 1997; Date of Appointment 2016

Lisa T Briggs; Professor; Criminology & Criminal Justice; MS, NC State University, 1998; MPA, Western Carolina University, 1989; BS, Western Carolina University, 1987; Date of Appointment 2002

William D Brotherton; Professor; Human Services; PHD, Florida State University, 1989; MED, Western Carolina University, 1984; BS, Missouri Southern State Coll, 1977; BS, Missouri Southern State Coll, 1973; Date of Appointment 1993

Matthew James Brower; Assistant Professor; Office of the Dean - Hunter Library; MLS, Indiana Univ Bloomington*, 2008; Date of Appointment 2016

Carroll Anne Brown; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Clemson University, 2005; PHD, Clemson University, 2005; MBA, The Citadel, 1994; BS, College of Charleston, 1990; Date of Appointment 2002

George Harold Brown; Dean/Professor; Office, Dean, Fine & Performing Art; MFA, Pennsylvania St Univ Univ Park, 1990; Date of Appointment 2015

Neil Daniel Brown; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Boston College, 1976; Date of Appointment 2017

Stephen E. Brown; Prof/Dept Head; Criminology & Criminal Justice; MS, Eastern Kentucky University, 1975; BA, Eastern Kentucky University, 1973; PHD, Univ Maryland College Park*, 1973; Date of Appointment 2008

Margaret Ervin Bruder; Lecturer; English; PHD, Indiana Univ Bloomington*, 2003; MA, UNC at Chapel Hill, 1989; BA, Davidson College, 1984; Date of Appointment 2007

Heidi Elizabeth Buchanan; Professor/Res & Inst Lbrn; Office of the Dean - Hunter Library; MLS, UNC at Chapel Hill, 2000; Date of Appointment 2001

Mark R. Budden; Associate Professor; Mathematics & Computer Science; PHD, Univ Missouri Columbia*, 2003; MA, Univ Missouri Columbia*, 1999; BS, Louisiana St Univ Baton Rouge*, 1997; Date of Appointment 2010

Debra Dobray Burke; Associate Dean/Prof; Office of the Dean, Business; JD, Univ Texas Austin, 1982; MPA, Univ Texas Austin, 1982; BA, Univ Texas Austin, 1977; Date of Appointment 1992

Spencer Callihan Burke; Assistant Professor; School of Stage & Screen; BFA, Rutgers State Univ of NJ- New , 2009; Date of Appointment 2017

Lyn Ellen Burkett; Assistant Professor; School of Music; PHD, Indiana Univ Bloomington*, 2001; MM, Ithaca College, 1986; BA, Univ Central Florida, 1984; Date of Appointment 2010

Carol Burton; Acting Provost/VCAA Undergrad St; Office of the Provost; EDD, NC State University, 2007; MAED, Western Carolina University, 1989; BS, Western Carolina University, 1987; Date of Appointment 1989
James Walker Busbin; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Tennessee Knoxville*, 1981; MA, Univ Alabama Huntsville, 1976; BS, Univ Alabama Huntsville, 1972; Date of Appointment 1991

Pamela K. Buskey; Assistant Professor; School of Teaching and Learning; EDD, Western Carolina University, 2013; MA, Univ Findlay, 1993; BS, Ohio State Univ Columbus, 1987; Date of Appointment 2008

David J Butcher; Professor; Chemistry & Physics; PHD, University of Connecticut, 1990; BS, Univ Vermont, 1982; Date of Appointment 1990

Karen L Butcher; Instructor; Chemistry & Physics; PHD, University of Connecticut, 1990; BS, Univ Vermont, 1982; Date of Appointment 1993

Kamal Hassouna Butrouna; Lecturer; Chemistry & Physics; PHD, University of Kentucky, 2014; MS, University of Kentucky, 2012; BS, Foreign Instit, 1992; Date of Appointment 2016

Brian D Byrd; Associate Professor; School of Health Sciences; PHD, Tulane University, 2009; MSPH, Tulane University, 2002; BA, Univ North Carolina Asheville, 2000; Date of Appointment 2008

Wendy R Cagle; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Western Carolina University, 1995; BSBA, Western Carolina University, 1986; Date of Appointment 1987

Erin Elizabeth Callahan; Assistant Professor; English; PHD, Duke University, 2013; MA, Duke University, 2011; BA, Yale University, 2000; Date of Appointment 2013

Kristin Rhode Calvert; Dept Head/Associate Professor; Office of the Dean - Hunter Library; MLIS, Univ Rhode Island, 2009; Date of Appointment 2011

Cynthia Vasiliki Caravelis; Associate Professor; Criminology & Criminal Justice; PHD, Florida State University, 2007; Date of Appointment 2009

Andrew Michael Carnes; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, West Virginia University, 2015; Date of Appointment 2015

C. Dale Carpenter; Professor; School of Teaching and Learning; EDD, Auburn University, 1979; MED, Valdosta State University, 1975; BSED, Albany State University, 1974; Date of Appointment 1979

Catherine W. Carter; Professor; English; PHD, University of Delaware, 1999; MA, University of Delaware, 1991; BA, St Marys College Md, 1989; Date of Appointment 1999

Robert Bruce Carton; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Georgia Athens*, 2005; MBA, Univ Georgia Athens*, 1995; BS, Duke University, 1980; BS, Duke University, 1980; Date of Appointment 2005

John Andrew Carzoli; Assoc Dept Head PT/Asst Prof; Physical Therapy; DPT, Washington University, 2012; MPT, Medical College GA, 1999; BS, Auburn University, 1996; Date of Appointment 2012
Kefyn M Catley; Professor; Biology; PHD, Cornell University, 1996; MS, Western Carolina University, 1991; Date of Appointment 2007

Michael Caudill; Instructor; Communication; MA, American University DC, 1989; BA, Calif St Univ Dominguez Hills, 1987; AA, San Antonio College, 1979; Date of Appointment 2015

Lori A. Caudle; Associate Professor; Human Services; PHD, Univ Tennessee Knoxville*, 2010; MS, Univ Tennessee Knoxville*, 2004; BS, Univ Tennessee Knoxville*, 2003; Date of Appointment 2010

Alberto Centeno Pulido; Assistant Professor; World Languages; PHD, Univ Georgia Athens*, 2010; MA, Univ Georgia Athens*, 2004; BA, Foreign Instit, 2001; Date of Appointment 2014

Utpal R Chakraborty; Assistant Professor; Chemistry & Physics; PHD, University of Chicago, 1978; BS, Foreign Instit, 1972; MS, Foreign Instit, 1972; Date of Appointment 2016

Theresa Marie Chandler; Assistant Professor; School of Teaching and Learning; PHD, Univ Texas Austin, 1997; MA, Univ Texas Austin, 1992; MS, Univ North Carolina Charlotte, 1989; BS, Univ North Carolina Charlotte, 1985; Date of Appointment 2016

Andrew Thomas Chockla; Lecturer; Mathematics & Computer Science; MS, Western Carolina University, 2006; BS, Western Carolina University, 2005; Date of Appointment 2008

John Chrisman; Lecturer; English; MA, Univ Central Florida, 2015; Date of Appointment 2015

Danial L. Clapper; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Georgia State University, 1991; BA, Purdue University, Main Campus, 1985; Date of Appointment 1996

Cheryl Carmen Clark; SS Adjunct; School of Nursing; MSN, California St Univ-Los Angeles, 1981; BSN, Univ Evansville, 1976; AS, Univ Indianapolis, 1968; Date of Appointment 2002

Brian Stephen Clarke; Assistant Professor; Acct, Fin, Info Sys, Bus Law; JD, Washington Lee University, 1999; BA, UNC at Chapel Hill, 1995; Date of Appointment 2016

Mae Miller Claxton; Associate Professor; English; PHD, Univ Georgia Athens*, 1998; MA, UNC at Chapel Hill, 1990; BA, Univ Georgia Athens*, 1988; Date of Appointment 1996

Robert John Clines; Assistant Professor; History; MA, Miami Univ Oxford, 2011; BA, John Carroll University, 2007; Date of Appointment 2014

Heather Adeline Bradbury Coan; Assistant Professor; Biology; PHD, Wake Forest University, 2011; BS, Appalachian State University, 2005; Date of Appointment 2013

Andrew S. Coburn; Assoc Dir Study Dev Shorelines; Program for Study of Dev Shorelines; MA, Duke University, 1993; Date of Appointment 2006

Tamera Valentine Cole; Instructor; Communication; MA, Louisiana St
Univ Baton Rouge*, 1981; BA, Auburn University, 1980; Date of Appointment 2012

Beverly S. Collins; Professor; Biology; PHD, Rutgers State Univ of NJ- New, 1985; MS, Rutgers State Univ of NJ-New, 1979; BS, University of Kentucky, 1977; Date of Appointment 2006

Shawn Bryant Collins; Interim Assoc Dir/Assoc Prof; School of Nursing; DNP, Rush University, IL, 2008; MS, Univ Tennessee Chattanooga, 1995; BS, Southern Adventist University, 1991; Date of Appointment 2006

Todd A. Collins; Steed Distinguished Prof/AP/Dir; Political Science & Public Affairs; PHD, Univ Georgia Athens*, 2007; JD, UNC at Chapel Hill, 2000; BA, UNC at Chapel Hill, 1997; Date of Appointment 2007

Debra Lynn Connelly; Visiting Asst Prof; Communication; MA, Univ of Central Missouri, 1975; BS, Univ of Central Missouri, 1973; Date of Appointment 2000

Donald W. Connelly; Professor/Dept Head; Communication; MA, Univ of Central Missouri, 1975; BS, Univ of Central Missouri, 1973; Date of Appointment 1999

Cheryl Moseley Conway; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2010; BSN, UNC at Chapel Hill, 1992; Date of Appointment 2012

James Parker Cook; Instructor; Chemistry & Physics; MS, Western Carolina University, 2014; BS, Western Carolina University, 2012; Date of Appointment 2014

Christopher A. Cooper; Prof/Dept Head Pol Sc Pub Afr; Political Science & Public Affairs; PHD, Univ Tennessee Knoxville*, 2002; MA, Univ Tennessee Knoxville*, 1999; BA, Winthrop University, 1997; Date of Appointment 2002

Karena Joan Cooper-Duffy; Professor; School of Teaching and Learning; PHD, Lehigh University, 1997; MAED, Lehigh University, 1991; BS, Allentown Business College, 1988; Date of Appointment 1998

Jessica Suzanne Cory; Lecturer; English; MA, East Carolina University, 2012; BA, Ohio Univ Chillicothe, 2009; Date of Appointment 2016

James Thomas Costa; Exec Dir Hbs/Prof; Highlands Biological Station; PHD, Univ Georgia Athens*, 1992; MA, Univ Georgia Athens*, 1988; BS, University at Buffalo, SUNY, 1985; Date of Appointment 1996

Mark R. Couture; Associate Professor; World Languages; PHD, Duke University, 1995; MA, Michigan State University, 1988; BA, Michigan State University, 1986; Date of Appointment 1996

Philip Edward Coyle; Professor; Anthropology & Sociology; PHD, San Francisco State University, 1997; BA, San Francisco State University, 1987; Date of Appointment 1998

Richard Todd Creasy; Associate Professor; Econ, Mgt, Proj Mgt; DMGT, Case Western Reserve Univ, 2007; MS, University of Memphis, 1989; MBA, University of Memphis, 1987; BBA, University of Memphis, 1985; Date of Appointment 2011
Ashley Owens Cresswell; Assistant Professor; Psychology; PHD, Univ Georgia Athens*, 2005; MED, Univ Georgia Athens*, 2002; BS, Presbyterian College, 2000; Date of Appointment 2005

Robert K. Crow; Assistant Professor; Human Services; PHD, Univ South Carolina Columbia*, 2006; MA, The Citadel, 2001; BA, College of Charleston, 1997; Date of Appointment 2006

Julia Christina Crowley; Assistant Professor; Criminology & Criminal Justice; PHD, Univ Hawaii Manoa*, 2016; MA, Cornell University, 2014; BA, Univ Illinois Urbana*, 2009; Date of Appointment 2017

Russell Clay Curtis; Professor; Human Services; PHD, Univ North Carolina Greensboro, 2000; MHDL, Univ North Carolina Charlotte, 1993; BA, NC State University, 1988; Date of Appointment 1992

Thomas Peter Joseph D'Angelo; Assistant Professor; Acct, Fin, Info Sys, Bus Law; DPS, Pace Univ New York City*, 2014; MBA, Pace Univ New York City*, 1990; BPS, Pace Univ New York City*, 1985; Date of Appointment 2015

Paige Camille Dangenhard; Assistant Professor; School of Health Sciences; PHD, Univ Toledo, 2016; MA, Univ Toledo, 2013; BS, Univ Toledo, 2012; Date of Appointment 2016

Emily L. Darnell; Lecturer; English; MA, Western Carolina University, 2011; BA, Western Carolina University, 2008; Date of Appointment 2012

Dana Carol Davis; Instructor; School of Nursing; MSN, Gardner-Webb University, 2013; MSN, Gardner-Webb University, 2013; Date of Appointment 2017

John Henry Davis; Lecturer; Chemistry & Physics; MS, Montana State Univ Bozeman, 2014; MA, Univ North Carolina Pembroke, 2011; BS, Univ North Carolina Pembroke, 1999; Date of Appointment 2013

Mary Patricia Davis; Instructor/Clinical Spvr; Comm Sciences & Disorders; MS, Western Carolina University, 2008; BS, Western Carolina University, 2006; Date of Appointment 2009

Channa Ruwan De Silva; Associate Professor; Chemistry & Physics; PHD, Univ Arizona, 2007; BS, Foreign Instit, 2001; Date of Appointment 2010

Laura E. DeWald; Professor; Geosciences & Natural Resources; PHD, VA Polytech Inst & State Univ, 1986; MS, Pennsylvania St Univ Univ Park, 1982; BS, Michigan Tech University, 1980; Date of Appointment 2004

Annette Debo; Professor; English; PHD, Univ Maryland College Park*, 1998; MA, VA Polytech Inst & State Univ, 1990; BS, VA Polytech Inst & State Univ, 1986; Date of Appointment 2001

James B. Deconinck; School Director MESH/Prof; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Arkansas Fayetteville*, 1988; BSBA, Univ Missouri Kansas City, 1981; Date of Appointment 2002

Mary Beth Deconinck; Assistant Professor; Ent, Hosp, Tourism, Mkt,
Sloan Evans Despeaux; Professor; Mathematics & Computer Science; PHD, University of Virginia, 2002; MS, Florida State University, 1997; BA, Francis Marion University, 1995; Date of Appointment 2002

Jackson David Deziel; Assistant Professor; School of Health Sciences; PHD, Univ North Carolina Charlotte, 2015; MPAD, NC State University, 2011; Date of Appointment 2015

Martha Ann Diede; Dir Coulter Fac Cmns/Professor; Coulter Faculty Commons; PHD, Baylor University, 2002; Date of Appointment 2014

Angela Kathryn Dills; Endowed Professor; Econ, Mgt, Proj Mgt; PHD, Boston University, 2003; MS, Boston University, 2000; BA, University of Virginia, 1996; Date of Appointment 2016

Brian D. Dinkelmeyer; Assoc Professor; Chemistry & Physics; PHD, Stony Brook University, 1999; BA, Stony Brook University, 1992; BS, Stony Brook University, 1992; Date of Appointment 2001

Kelley Holzknecht Dinkelmeyer; Instructor; Chemistry & Physics; MS, Indiana Univ Pennsylvania, 1991; BS, Valdosta State University, 1988; AA, Bainbridge College, 1986; Date of Appointment 2004

Gladys Rebecca Dobbs; Instructor; Geosciences & Natural Resources; PHD, UNC at Chapel Hill, 2007; MA, UNC at Chapel Hill, 1997; BA, UNC at Chapel Hill, 1995; Date of Appointment 2014

Theresa Domagalski; Professor; Econ, Mgt, Proj Mgt; PHD, Univ South Florida, 1998; MBA, Suny Coll Buffalo, 1988; BS, Suny Coll Buffalo, 1981; BA, Suny Coll Buffalo, 1980; Date of Appointment 2008

Robert J Donnellan; Lecturer; English; MA, Western Carolina University, 2013; BA, Univ North Carolina Asheville, 2010; AA, Northwestern Michigan College, 2006; Date of Appointment 2013
Brigham Taft Dorman; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PhD, Texas Tech University, 2016; BS, Brigham Young Univ Utah, 2008; Date of Appointment 2017

David R Dorondo; Assoc Prof; History; PHD, Foreign Instit, 1988; MA, Univ South Carolina Columbia*, 1984; BA, Armstrong Atlantic State Univ, 1980; Date of Appointment 1987

Kristy Kowalske Doss; Assistant Professor; School of Teaching and Learning; PHD, Univ Georgia Athens*, 2013; MAED, Western Carolina University, 2008; BSED, Appalachian State University, 1995; Date of Appointment 1998

Margaret Folsom Downs West; Assistant Professor; School of Health Sciences; MS, Appalachian State University, 2005; BS, Univ North Carolina Greensboro, 1996; Date of Appointment 2014

Jeanne R. Dulworth; Assistant Professor; Social Work; MSW, Univ South Carolina Columbia*, 1998; BS, Western Carolina University, 1996; Date of Appointment 2000

Pamela Yvonne Duncan; Associate Professor; English; MA, NC State University, 1996; BA, UNC at Chapel Hill, 1983; Date of Appointment 2008

Jane M. Eastman; Associate Professor; Anthropology & Sociology; PHD, UNC at Chapel Hill, 1999; MA, UNC at Chapel Hill, 1990; BA, UNC at Chapel Hill, 1986; Date of Appointment 2001

Megan Ann Eckardt; Lecturer; Biology; MS, Western Carolina University, 2013; BS, Vanderbilt University, 2008; Date of Appointment 2016

Scott Allen Eldredge; Assistant Professor; Communication; PHD, Univ Tennessee Knoxville*, 2014; MA, Michigan State University, 1995; Date of Appointment 2014

Gillian D Ellern; Associate Professor; Office of the Dean - Hunter Library; MLIS, Louisiana St Univ Baton Rouge*, 1986; Date of Appointment 1990

Gail Marie Councell Elliott; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2013; Date of Appointment 2013

Lydia Elliott; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2002; BSN, Florida International Univ, 1991; Date of Appointment 2008

Mary Ella Engel; Dept Head/Assoc Prof; History; PHD, Univ Georgia Athens*, 2009; BA, Kennesaw State University, 1998; Date of Appointment 2006

Heather Mae Erickson; Assistant Professor; School of Art & Design; MFA, Cranbrook Academy of Art, 2004; BFA, Univ Arts, 2000; Date of Appointment 2014

David D Evanoff; Dept Head/Assoc Prof; Chemistry & Physics; PHD, Clemson University, 2005; BS, Westminster College Pa, 2001; Date of Appointment 2008

Claire T. Eye; Assistant Professor; School of Stage & Screen; MFA, Louisiana St Univ Baton Rouge*, 1994; BA, Western Carolina
University, 1990; AD, Southwestern Cmty College, 1987; Date of Appointment 2002

Melissa Knippel Faetz; Instructor; School of Teaching and Learning; MAED, Western Carolina University, 2013; BSED, Western Carolina University, 2004; Date of Appointment 2016

Amy Lynn Fagan; Assistant Professor; Geosciences & Natural Resources; PHD, University of Notre Dame, 2013; BS, Washington Lee University, 2006; Date of Appointment 2014

Charles John Fagan; Lecturer; Political Science & Public Affairs; MA, University of Notre Dame, 2011; BA, Washington Lee University, 2006; Date of Appointment 2016

Yusef Fahmy; Assistant Professor; School of Engineering & Technology; PHD, NC State University, 1996; MS, NC State University, 1992; BS, NC State University, 1988; Date of Appointment 2017

Yang Fan; Assoc Prof; Econ, Mgt, Proj Mgt; MS, South Dakota Sch Mines Tech, 2004; PHD, Foreign Instit, 1999; MS, Foreign Instit, 1996; Date of Appointment 2008

Betty Anne Farmer; Professor; Communication; PHD, Univ Tennessee Knoxville*, 1993; MS, Univ Tennessee Knoxville*, 1988; BA, Univ Virginias College Wise, 1986; Date of Appointment 1993

Axelle Person Faughn; Associate Professor; Mathematics & Computer Science; PHD, NC State University, 2002; MA, Foreign Instit, 1998; BA, Foreign Instit, 1996; Date of Appointment 2007

Mary Catherine Fenton; Professor; English; PHD, University of Kentucky, 1990; MA, Univ Wyoming, 1982; BA, Univ Wyoming, 1980; Date of Appointment 1992

Chip W. Ferguson; Assoc Dean/Professor; Office of the Dean, Engineer & Tech; EDD, Western Carolina University, 2008; MS, Univ Southern Mississippi, 1997; BS, Univ Southern Mississippi, 1995; Date of Appointment 2002

Robert Hunt Ferguson; Assistant Professor; History; PHD, UNC at Chapel Hill, 2012; MA, Western Carolina University, 2004; BA, Western Carolina University, 2001; Date of Appointment 2012

Garrett Daniel Fisher; Instructor; World Languages; MA, Univ North Carolina Charlotte, 2014; BA, Western Carolina University, 2010; Date of Appointment 2014

Kenneth E. Flynt; Assoc Dean/Prof; Office of the Dean, Business; MA, NC State University, 1972; Date of Appointment 2008

Frank Louis Forcino; Assistant Professor; Geosciences & Natural Resources; PHD, Foreign Instit, 2013; MS, San Diego State University, 2009; BS, West Chester University, 2007; Date of Appointment 2014

George D. Ford; Interim Dir/Assoc Prof; Kimmel School of Construction Mngmt; EDD, Western Carolina University, 2008; MS, Univ South Carolina Columbia*, 1999; MBA, Clemson University, 1990; BS,
Clemson University, 1984; Date of Appointment 2004

Janet C. Ford; Associate Professor; Acct, Fin, Info Sys, Bus Law; JD, Univ South Carolina Columbia*, 1998; BM, Furman University, 1985; Date of Appointment 2004

Thomas Edgar Ford; Professor; Psychology; PHD, Univ Maryland College Park*, 1992; MA, Univ Maryland College Park*, 1989; BS, Texas Christian University, 1987; Date of Appointment 2007

Burton B. Fox; Prf/Dr C-La Pgs; Educational Outreach Programs; EDD, Univ Alabama Tuscaloosa*, 1969; MA, Univ Alabama Tuscaloosa*, 1967; BA, San Diego State University, 1962; Date of Appointment 1970

Benjamin Francis-Fallon; Assistant Professor; History; PHD, Georgetown University, 2012; MA, Georgetown University, 2007; BS, Cornell University, 2001; Date of Appointment 2014

Bruce Hart Frazier; Crl Grtns Blk Dis Pr; School of Music; DMA, Univ Southern California, 1994; MM, East Carolina University, 1972; BM, East Carolina University, 1970; Date of Appointment 1998

Melodie Henson Frick; Assistant Professor; Human Services; PHD, University of Virginia, 2009; MS, Western Carolina University, 1997; BA, Univ North Carolina Greensboro, 1993; Date of Appointment 2012

Maria Diane Gainey; Instructor; Biology; PHD, Wake Forest University, 2008; BS, Appalachian State University, 1984; Date of Appointment 2004

State University, 2003; Date of Appointment 2015

William Andrew Gambill; Instructor; Communication; MED, NC State University, 2010; BS, Western Carolina University, 2007; Date of Appointment 2011

John Patrick Gannon; Assistant Professor; Geosciences & Natural Resources; PHD, VA Polytech Inst & State Univ, 2014; MS, VA Polytech Inst & State Univ, 2009; BS, Coll New Jersey, 2007; Date of Appointment 2014

Santiago Garcia-Castanon; Professor; World Languages; PHD, Univ Illinois Urbana*, 1992; MA, Univ Illinois Urbana*, 1987; BA, Foreign Instit, 1983; Date of Appointment 2007

Patrick J. Gardner; Endowed Prof/Director; Ctr for Rapid Product Realization; PHD, Air Force Inst Tech, 1996; MS, Air Force Inst Tech, 1988; BS, University of Florida, 1984; Date of Appointment 2007

Mariano Garrido-Lopez; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Foreign Instit, 2012; MBA, Foreign Instit, 1998; MS, Foreign Instit, 1992; Date of Appointment 2016

Brian W. Gastle; Professor; English; PHD, University of Delaware, 1998; MA, University of Delaware, 1991; BA, Suny Coll Buffalo, 1989; Date of Appointment 1998

John David Gerlach; Associate Professor/MPA Dir; Political Science & Public Affairs; PHD, NC State University, 2009; Date of Appointment 2013
Marie-Line Germain; Associate Professor; Human Services; PHD, Barry University, 2006; MA, Foreign Inst, 1993; BA, Foreign Inst, 1992; Date of Appointment 2010

Jeremy Richard Gibbs; SS Adjunct; Human Services; EDD, Western Carolina University, 2016; MSA, NC State University, 2008; BM, East Carolina University, 2002; Date of Appointment 2010

Geoff R. Goehle; Associate Professor; Mathematics & Computer Science; PHD, Dartmouth College, 2009; MS, Portland State University, 2004; BS, Univ of Colorado at Boulder*, 2002; Date of Appointment 2009

Ruth Turner Goins; Distinguished Professor; Social Work; PHD, Univ Mass Boston, 1997; MS, Univ Mass Boston, 1994; BA, East Carolina University, 1992; Date of Appointment 2013

Enrique A. Gomez; Associate Professor; Chemistry & Physics; PHD, Univ Alabama Tuscaloosa*, 2006; MS, Univ Alabama Tuscaloosa*, 2003; BS, Univ Calif Santa Cruz, 1998; Date of Appointment 2007

Winford A. Gordon; Asst Prof/Dir Undrgrd Studies; Psychology; PHD, UNC at Chapel Hill, 1983; BS, Wofford College, 1977; Date of Appointment 2004

Gael N Graham; Professor; History; PHD, Univ Michigan Ann Arbor*, 1990; MA, Univ Michigan Ann Arbor*, 1984; BA, Univ Calif Santa Cruz, 1980; Date of Appointment 1990

Nelson Andres Granda-Marulanda; Assistant Professor; School of Engineering & Technology; PHD, Univ Tennessee Knoxville*, 2017; MENG, Univ Politecnica de PuertoRico, 2012; Date of Appointment 2017

Jill Rene Nelson Granger; Dean/Professor; Office of the Dean, Honors; PHD, Purdue University, Main Campus, 1993; Date of Appointment 2015

Jessica Erin Graning; Assistant Professor; Physical Therapy; DPT, Duke University, 2003; BA, UNC at Chapel Hill, 2000; Date of Appointment 2011

Elizabeth Gest Graves; Assistant Professor; Human Services; PHD, Univ North Carolina Greensboro, 2012; EDS, Univ North Carolina Greensboro, 2005; MAED, Western Carolina University, 2001; BA, Ohio Univ Lancaster, 1994; Date of Appointment 2016

Kelly Susan Grisedale; Asst Prof/Forensic Sci Prog Co; Forensic Science; PHD, Foreign Instit, 2014; MS, Foreign Instit, 2009; BS, Foreign Instit, 2006; Date of Appointment 2014

Cathy Lauren Grist; Associate Professor; Human Services; PHD, Univ Tennessee Knoxville*, 2007; MA, Western Carolina University, 1994; BA, Auburn University, 1991; Date of Appointment 1994

Adam Michael Groh; Assistant Professor; School of Music; DMA, Univ Texas Austin, 2013; MM, Florida State University, 2010; BA, Truman State University, 2007; Date of Appointment 2017

Angela Johnson Grube; School Director AFIB/Professor; Acct, Fin,
Info Sys, Bus Law; PHD, Florida State University, 1998; MPA, Georgia Coll & State Univ, 1994; MS, Georgia Southern University, 1992; MS, Georgia Southern University, 1992; BBA, Georgia Coll & State Univ, 1991; BBA, Georgia Coll & State Univ, 1991; Date of Appointment 1999

Danny P. Grube; Dept Head/Director/Assoc Prof; School of Teaching and Learning; PHD, Florida State University, 1998; MSED, Troy State University Dothan, 1995; BSED, Lyndon State College, 1989; Date of Appointment 1999

Needham Yancey Gulley; Assistant Professor; Human Services; PHD, Univ Georgia Athens*, 2012; MED, NC State University, 2003; BA, Univ North Carolina Wilmington, 2000; Date of Appointment 2016

Inhyuck Ha; Professor; Econ, Mgt, Proj Mgt; PHD, Univ of Minnesota-Twin Cities, 1999; MS, Univ Wis Madison*, 1993; BA, Yonsei University, 1987; Date of Appointment 2003

Oai The Ha; Assistant Professor; School of Engineering & Technology; PHD, Utah State University, 2015; Date of Appointment 2017

Sur Ah Hahn; Assistant Professor; Social Work; MSW, University of Kansas, 2008; Date of Appointment 2013

Daryl Lynn Hale; Associate Professor; Philosophy & Religion; PHD, Vanderbilt University, 1991; MA, Vanderbilt University, 1988; BA, Calvin College, 1976; BS, Oakland City University, 1973; Date of Appointment 1992

Kimberlee K. Hall; Assistant Professor; School of Health Sciences; PHD, East Tennessee State Univ, 2012; Date of Appointment 2015

Ann Hallyburton; Associate Professor; Office of the Dean - Hunter Library; MSLS, UNC at Chapel Hill, 2003; Date of Appointment 2004

Georgia Hambrecht; Professor; Comm Sciences & Disorders; PHD, Kent State University, 1982; MA, Western Illinois University, 1975; MA, Western Illinois University, 1975; BS, Bowling Green State Univ, 1974; Date of Appointment 2004

Weaver Ballou Haney; Lecturer; Biology; MS, Western Carolina University, 2005; BS, Western Carolina University, 2002; Date of Appointment 2007

John Andrew Hansen; Assistant Professor; Criminology & Criminal Justice; MA, Univ South Carolina Columbia*, 2008; Date of Appointment 2015

Darby McGrady Harris; Lecturer; Biology; PHD, University of Kentucky, 2011; MS, Western Carolina University, 2005; BS, Western Carolina University, 1997; Date of Appointment 2012

Jennifer E. Harris; Lecturer; English; MA, Western Carolina University, 2008; BA, Warren Wilson College, 2001; Date of Appointment 2011

Colleen Ann Hayes; Asst Prof; School of Nursing; MHS, Western Carolina University, 1999; BSN, Marian Univ, Fond du Lac, 1980; Date of Appointment 2011
Paul Andrew Heckert; Professor; Chemistry & Physics; PHD, New Mexico St Univ Univ Park*, 1983; MS, New Mexico St Univ Univ Park*, 1977; BA, Frostburg State University, 1974; BA, Frostburg State University, 1974; Date of Appointment 1988

Kristen Yarborough Hedberg; Assistant Professor; School of Stage & Screen; MM, NC School Of The Arts, 2006; BM, NC School Of The Arts, 2004; Date of Appointment 2017

Elizabeth Heffelfinger; Associate Professor; English; PHD, Carnegie Mellon University, 2004; MFA, Univ Maryland College Park*, 1996; BA, Coll Wooster, 1986; Date of Appointment 2005

Lindsay Marie Heim; SS Adjunct; Comm Sciences & Disorders; MS, Western Carolina University, 2005; BA, Univ Vermont, 2002; Date of Appointment 2010

Bruce B Henderson; Professor; Psychology; PHD, Univ of Minnesota-Twin Cities, 1978; MA, Bucknell University, 1975; BA, Bucknell University, 1972; Date of Appointment 1978

David Graham Henderson; Associate Professor; Philosophy & Religion; PHD, Texas A&M University, 2008; MS, Texas A&M University, 2006; BA, Bryan College, 2002; Date of Appointment 2008

Sarah Mae Henderson; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2016; BSN, Piedmont College, 2005; Date of Appointment 2017

Glenda Gale Hensley; Director, First Year Exp; First Year Experience; MAED, Prescott College, 2004; BFA, Univ North Carolina Greensboro, 1981; Date of Appointment 2005

Ronda Sue Hensley; Assistant Professor; School of Nursing; DNP, East Tennessee State Univ, 2013; MSN, East Tennessee State Univ, 2004; BSN, Western Carolina University, 1997; Date of Appointment 2017

Tonya Lynn Hensley; Assistant Professor; School of Nursing; DNP, East Tennessee State Univ, 2014; MSN, East Tennessee State Univ, 2009; BSN, Lees-McRae College, 2007; Date of Appointment 2016

Jonathan Henson; Asst Band Dir/Inst; School of Music; MAED, Western Carolina University, 2007; BS, Western Carolina University, 2005; Date of Appointment 2007

Weldon Steve Henson; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Georgia State University, 1995; BA, Mercer Univ Macon*, 1976; BA, Mercer Univ Macon*, 1976; Date of Appointment 2002

Susan White Hester; Assistant Professor; School of Nursing; DNP, Gardner-Webb University, 2017; MSN, Western Carolina University, 2013; BSN, Western Carolina University, 2007; Date of Appointment 2013

Ian Hewer; Assistant Professor; School of Nursing; MSN, Univ Calif San Francisco, 1995; MA, New York University, 1991; BSN, Foreign Instit, 1986; Date of Appointment 2011
Anthony A Hickey; Professor; Anthropology & Sociology; PHD, Cornell University, 1975; MA, Cornell University, 1973; BA, Cornell University, 1971; Date of Appointment 1985

Shelby Susan Hicks; Assistant Professor; School of Art & Design; MFA, Endicott College, 2012; Date of Appointment 2017

Rangika Surangi Hikkaduwa Koralege; Assistant Professor; Chemistry & Physics; PHD, Oklahoma State Univ Stillwater, 2014; BS, Foreign Instit, 2007; Date of Appointment 2017

Lisa J. Hilger; Instructor; School of Teaching and Learning; MS, University of Florida, 1990; BS, University of Florida, 1988; Date of Appointment 2015

Yue Cai Hillon; Associate Professor; Econ, Mgt, Proj Mgt; PHD, New Mexico St Univ Univ Park*, 2006; MBA, New Mexico St Univ Univ Park*, 2003; BSBA, New Mexico St Univ Univ Park*, 2002; Date of Appointment 2014

Sonja Louise Himes; Lecturer; Biology; MS, Western Carolina University, 2002; BS, Univ North Carolina Asheville, 1996; Date of Appointment 2005

Brandi Nicole Hinnant Crawford; Assistant Professor; Human Services; PHD, Emory University, 2014; AM, Brown University, 2008; BA, NC State University, 2006; Date of Appointment 2014

Jennifer Lyn Hinton; Assoc Prof; School of Health Sciences; PHD, Clemson University, 2000; MS, Indiana Univ Bloomington*, 1994; BS, Kent State University, 1991; Date of Appointment 2008

Mark Armiger Holliday; Professor; Mathematics & Computer Science; PHD, Univ Wisc Madison*, 1986; MS, Univ Wisc Madison*, 1982; BA, University of Virginia, 1978; Date of Appointment 1994

Mary Anne Hollis; Asst Prof/MHS Prog Dir; School of Health Sciences; PHD, Univ South Carolina Columbia*, 2002; MS, Univ Tennessee Knoxville*, 1987; BA, Univ Tennessee Knoxville*, 1980; Date of Appointment 2005

Denise Drury Homewood; Bardo Arts Ctr Exec Dir/Asc Pr; Fine Arts Museum; MA, Florida State University, 2007; Date of Appointment 2010

Steven G. Honbarger; Director of Sports Medicine; Office of Athletic Programs; MS, Appalachian State University, 2004; BS, Appalachian State University, 2001; Date of Appointment 2005

Daniel K. Hooker; Asst Ath Dir Media Rel/Inst; Office of Athletic Programs; BS, Western Carolina University, 2001; Date of Appointment 2004

Cory Lee Howk; Associate Professor; Mathematics & Computer Science; PHD, Iowa State University, 2010; MA, Minnesota State Univ Mankato, 2005; BA, Minnesota State Univ Mankato, 2003; Date of Appointment 2012

Christopher Ashley Hoyt; Associate Professor; Philosophy & Religion; PHD, Univ Illinois Chicago, 1998; BA,
Yeqin Huang; Assistant Professor; School of Engineering & Technology; PHD, Univ Nebraska Lincoln*, 2003; MS, Foreign Instit, 1985; BS, Foreign Instit, 1982; Date of Appointment 2007

Michael W Hubble; Professor; School of Health Sciences; PHD, Univ Maryland Baltimore Co, 1997; MBA, UNC at Chapel Hill, 1990; BS, High Point University, 1988; BS, High Point University, 1988; AAS, Guilford Tech Cmty College, 1986; AAS, Guilford Tech Cmty College, 1983; AAS, Guilford Tech Cmty College, 1983; Date of Appointment 1993

Beth Huber; Associate Professor; English; PHD, Univ Missouri Kansas City, 2002; MA, Univ Missouri Kansas City, 1997; BA, Univ Missouri Kansas City, 1995; Date of Appointment 2004

David Griffin Hudson; Associate Dean/Professor; Physical Therapy; PHD, University of Delaware, 2004; MS, University of Delaware, 1999; BS, Ithaca College, 1989; Date of Appointment 2007

Thabryxelle Hudson; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Jackson State University, 2016; MS, Jackson State University, 2007; BBA, Jackson State University, 2003; Date of Appointment 2017

Carmen Louise Huffman; Associate Professor; Chemistry & Physics; PHD, Univ Maryland College Park*, 2005; BS, Univ Rhode Island, 2001; Date of Appointment 2005

Scott W. Huffman; Associate Professor; Chemistry & Physics; PHD, Univ Rhode Island, 2001; MS, Univ North Carolina Wilmington, 1997; BS, Univ North Carolina Wilmington, 1994; Date of Appointment 2005

Jane Marie Hughes; Assistant Professor; School of Art & Design; MA, University of Kentucky, 2011; BS, Miami Univ Oxford, 1989; Date of Appointment 2017

Summer Huntley-Dale; Assistant Professor; School of Nursing; PHD, University of Phoenix, 2015; Date of Appointment 2010

John Casey Hurley; Professor; Human Services; PHD, Univ Wisc Madison*, 1989; MS, Univ Wisc Madison*, 1978; BA, St Norbert College, 1973; Date of Appointment 1989

Ashley Watamura Hyatt; Assistant Professor; Physical Therapy; DPT, Medical University SC, 2009; Date of Appointment 2013

Jeremy Hyman; Associate Professor; Biology; PHD, UNC at Chapel Hill, 2001; BA, University of Chicago, 1993; Date of Appointment 2006

Hugh Jack; Distinguished Professor; School of Engineering & Technology; PHD, Foreign Instit, 1994; MES, Foreign Instit, 1991; BS, Foreign Instit, 1988; Date of Appointment 2015

Jill Elizabeth Jacobs; Asst Prof/Marketing Manager; Office, Dean, Fine & Performing Art; MA, Villanova University, 2015; Date of Appointment 2016

Kathy M. Jaqua; Assoc Prof; Mathematics & Computer Science; PHD, Washington State Univ, 1994; MS, Oregon State University, 1990;
BS, East Tennessee State Univ, 1981; Date of Appointment 1994

Ian MacDonald Jeffress; Assistant Professor; School of Music; MM, Ithaca College, 2004; BM, Furman University, 2002; Date of Appointment 2007

Alesia Christine Jennings; Instructor; Chemistry & Physics; PHD, Univ Akron, 2009; BS, Notre Dame College Ohio, 2006; Date of Appointment 2015

Jon C Jicha; Professor; School of Art & Design; MFA, Kent State University, 1976; BFA, Kent State University, 1972; Date of Appointment 1984

Ann Putnam Johnson; Professor; School of Nursing; EDD, Univ Tennessee Knoxville*, 1989; MSN, Univ Tennessee Knoxville*, 1983; BSN, Western Carolina University, 1982; Date of Appointment 1984

Cheryl Ann Johnson; Assistant Professor; School of Nursing; DNP, Western Carolina University, 2015; MSN, Uniformed Serv Univ Health Sci, 1999; BSN, Regis University, 1993; Date of Appointment 2006

James Nathaniel Johnson; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Washington State Univ, 2013; MPA, Univ Tennessee Knoxville*, 2002; BS, Univ Tennessee Knoxville*, 1999; Date of Appointment 2013

Thomas C Johnson; Assistant Professor; Criminology & Criminal Justice; PHD, Miss State University, 2007; MA, Univ West Florida, 1993; BS, Troy State University Fla, 1984; Date of Appointment 2005

Julie Tracey Johnson-Busbin; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; BSBA, Southeastern Louisiana Univ, 1996; MS, Georgia State University, 1996; PHD, Georgia State University, 1996; Date of Appointment 1996

Elizabeth H. Jones; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Indiana Univ Bloomington*, 1988; MBA, Indiana Univ Bloomington*, 1987; MBA, Indiana Univ Bloomington*, 1987; MS, University of Memphis, 1983; BS, Univ Illinois Urbana*, 1976; Date of Appointment 1994

Jeremy Brian Jones; Associate Professor; English; MFA, University of Iowa, 2009; BA, Elon University, 2004; Date of Appointment 2005

Whitney Paige Jordan; Librarian/Assistant Prof; Office of the Dean - Hunter Library; MS, Univ Glasgow, 2013; Date of Appointment 2017

Karen L. Kandl; Instructor; Biology; PHD, Univ Georgia Athens*, 1996; BA, Knox College, 1988; Date of Appointment 2008

Yee Kao; Assistant Professor; Chemistry & Physics; PHD, VA Polytech Inst & State Univ, 2010; BS, Foreign Instit, 2003; Date of Appointment 2010

William Alexander Kapakos; Assistant Professor; Acct, Fin, Info Sys, Bus Law; MBA, Univ North Carolina Greensboro, 2014; BSBA, Western Carolina University, 2010; Date of Appointment 2016

Elizabeth Runnion Kapel; Assistant Prof/OSC Liaison; Office of the Dean -
Hunter Library; MLIS, University of Pittsburgh, 2013; Date of Appointment 2016

Berna Karayaka; Lecturer; Chemistry & Physics; MS, Foreign Instit, 1996; BS, Foreign Instit, 1993; Date of Appointment 2013

Hayrettin Bora Karayaka; Associate Professor; School of Engineering & Technology; PHD, Ohio State Univ Columbus, 2000; MS, Foreign Instit, 1990; BS, Foreign Instit, 1987; Date of Appointment 2012

Norman Leroy Kauffman; Associate Professor; Acct, Fin, Info Sys, Bus Law; PHD, Ohio State Univ Columbus, 1988; MBA, Univ Montana, 1978; BS, Eastern Mennonite University, 1977; BS, Eastern Mennonite University, 1977; Date of Appointment 1994

Sudhir Kaul; Associate Professor; School of Engineering & Technology; PHD, Univ Wisc Milwaukee, 2006; MS, Univ Wisc Milwaukee, 2003; BE, Foreign Instit, 1995; Date of Appointment 2013

Nicole Marie Audrey Kaysing; Instructor; School of Teaching and Learning; MAT, Western Carolina University, 2014; BS, Missouri Western State College, 2007; Date of Appointment 2012

Kelly Renee Kelley; Associate Professor/UP Coord; School of Teaching and Learning; PHD, Univ North Carolina Charlotte, 2011; MA, Western Carolina University, 2006; BS, Western Carolina University, 2003; Date of Appointment 2003

Justin Morgan Kennedy; Assistant Professor; School of Art & Design;

MFA, Virginia Commonwealth Univ, 2000; BA, George Mason University, 1997; Date of Appointment 2013

Douglas Robert Kesula; Dean/Prof; Office, Dean, Health & Human Sci; PHD, University of Virginia, 1993; Date of Appointment 2013

David Andrew Kinner; Associate Dean/Assoc Professor; Office, Dean, Arts & Sciences; PHD, Univ of Colorado at Boulder*, 2003; MS, Univ of Colorado at Boulder*, 1999; BA, Amherst College, 1996; Date of Appointment 2006

Brent Kinser; Dept Head/Professor; English; PHD, UNC at Chapel Hill, 2005; MA, Illinois State University, 2000; BA, Illinois State University, 1998; Date of Appointment 2005

James Kevin Kirkpatrick; Studio Tech/Inst; School of Art & Design; MFA, Bard College, 1992; BFA, Western Carolina University, 1988; Date of Appointment 2005

Brian Donald Kloeppe; Dean Grad Sch & Res/Professor; Office of Dean Grad School Research; PHD, Univ Wisc Madison*, 1998; MS, Penn State Univ-Univ Park, 1992; BS, Univ Wisc Madison*, 1989; Date of Appointment 2008

Mary Colleen Knowlton; Assoc Dir/Assoc Prof; School of Nursing; DNP, Case Western Reserve Univ, 2010; MS, Duke University, 1999; BS, Marquette University, 1993; Date of Appointment 2010

Albert M. Kopak; Associate Professor; Criminology & Criminal Justice; PHD, Arizona State Univ Tempe, 2010; MS, Florida State University, 2005; BS,
Florida State University, 2003; Date of Appointment 2010

Kevin P. Kopp; SS Adjunct; Human Services; JD, Seton Hall University, 1998; BS, Appalachian State University, 1994; Date of Appointment 2010

Mark A Kossick; Professor; School of Nursing; DNSC, Tennessee at Memphis, Univ of, 2003; MSN, University of Kansas, 1992; BS, Edinboro University Of Pa, 1984; Date of Appointment 2010

William C. Kreamling; Associate Professor; Mathematics & Computer Science; PHD, Florida State University, 2005; MS, Appalachian State University, 1999; BS, Appalachian State University, 1996; Date of Appointment 2005

Robert John Krenz; Assistant Professor; Geosciences & Natural Resources; PHD, VA Polytech Inst & State Univ, 2015; Date of Appointment 2015

Nathan A. Kreuter; Associate Professor; English; PHD, Univ Texas Austin, 2010; MA, Univ Texas Austin, 2006; BA, University of Iowa, 2002; Date of Appointment 2010

William R Kwochka; Assoc Prof; Chemistry & Physics; PHD, NC State University, 1992; BA, Grinnell College, 1983; Date of Appointment 1994

Mary Anna LaFratta; Associate Professor; School of Art & Design; MFA, Virginia Commonwealth Univ, 1984; BFA, Virginia Commonwealth Univ, 1978; Date of Appointment 2008

Ronald E. Laboray; Associate Professor; School of Art & Design; MFA, Washington University, 2000; BFA, Univ Illinois Urbana*, 1994; Date of Appointment 2011

Robert J Lahm; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Georgia State University, 1999; MS, Georgia State University, 1994; BS, Kean University, 1985; Date of Appointment 2008

Joseph Paul Lakatos; Distinguished Professor; Acct, Fin, Info Sys, Bus Law; LLM, Boston University, 1998; MBA, St Johns Univ Jamaica*, 1996; JD, St Johns Univ Jamaica*, 1993; BSBA, University of Notre Dame, 1990; Date of Appointment 2003

Marco Lam; Associate Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Alabama Tuscaloosa*, 2008; MA, Univ Alabama Tuscaloosa*, 2005; MACC, Western Carolina University, 2002; BSED, Foreign Instit, 1997; Date of Appointment 2014

Candice White Laney; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2014; BSN, Western Carolina University, 2011; Date of Appointment 2004

Rebecca Williams Lasher; Asst Prof; Social Work; EDD, East Tennessee State Univ, 2016; MS, Univ Tennessee Knoxville*, 1985; BA, Univ North Carolina Asheville, 1983; Date of Appointment 2008

Milton Ruben Laufer; Assoc Prof/Dir SOM; School of Music; DMA, Rice University, 2003; DMA, Rice University, 2003; MM, Rice University, 1998; MM, Rice University, 1998; BM, Univ Michigan
Ann Arbor*, 1995; Date of Appointment 2017

Jeffrey K. Lawson; Dept Head/Professor; Mathematics & Computer Science; PHD, NC State University, 1994; MS, Univ of Colorado at Boulder*, 1988; BS, Georgia Inst Technology, 1985; Date of Appointment 2005

Stephen Allen LeBeau; Lecturer; Communication; MA, Indiana U Purdue Univ Indpls, 2007; BA, Indiana U Purdue Univ Indpls, 1999; Date of Appointment 2015

William Ernest Lehman; Associate Professor; World Languages; PHD, University of Florida, 2008; MA, University of Florida, 1997; BA, University of Florida, 1992; Date of Appointment 2008

Siham Lekchiri; Assistant Professor; Human Services; PHD, Indiana St Univ Terre Haute*, 2017; MS, Indiana St Univ Terre Haute*, 2012; BS, Foreign Inst, 2008; Date of Appointment 2016

Laura Setzer Lembeck; Lecturer; Mathematics & Computer Science; MS, Florida Atlantic University, 2006; MS, Florida State University, 2006; BS, Western Carolina University, 1983; BSED, Western Carolina University, 1982; Date of Appointment 2014

Karen Melissa Lewis; Assistant Professor; School of Nursing; DNP, Western Carolina University, 2015; MSN, Univ of Washington, Seattle, 2000; BSN, Western Carolina University, 1994; Date of Appointment 2016

Matthew H. Liddle; Professor; School of Art & Design; MFA, Art Institute Philadelphia, 1991; BA, Dartmouth College, 1983; Date of Appointment 1995

Brenda L Lilly; Assistant Professor; School of Stage & Screen; BFA, Univ North Carolina Greensboro, 1974; Date of Appointment 2012

Rebecca Anne Lindsay; Assistant Dir Disability Svces; Disability Services; MS, Western Carolina University, 1989; BS, Clemson University, 1982; Date of Appointment 1983

Cecil D Livingston; Professor; Political Science & Public Affairs; PHD, Univ Mississippi, 1984; MA, Univ South Carolina Columbia*, 1974; BA, Univ South Carolina Columbia*, 1972; Date of Appointment 1984

Jane R. Livingstone; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Penn State Univ-Univ Park, 1998; MAC, VA Polytech Inst & State Univ, 1988; BS, Syracuse University, 1982; Date of Appointment 2004

Kae Livsey; Associate Professor; School of Nursing; PHD, George Mason University, 2007; MPH, Emory University, 1993; BSN, UNC at Chapel Hill, 1985; Date of Appointment 2013

Frank Stephen Lockwood; Assoc Prof; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ South Carolina Columbia*, 1998; MBA, Emory University, 1969; BS, Ripon College, 1965; Date of Appointment 2003

Elizabeth Tyson Lofquist; Adjunct Faculty; School of Teaching and Learning; PHD, Univ North Carolina Greensboro, 1997; EDS, Western Carolina University, 1988; MAED, Western Carolina University, 1979;
BSED, Western Carolina University, 1978; Date of Appointment 2013

Deborah Rowe Logan; Assistant Professor; School of Health Sciences; MS, Clemson University, 2016; BS, Western Carolina University, 1999; Date of Appointment 2016

Kofi Lomotey; Bardo Distinguished Professor; Human Services; PHD, Stanford University, 1985; MA, Stanford University, 1981; MED, Cleveland State University, 1978; BA, Oberlin College, 1974; Date of Appointment 2013

Edward J Lopez; BB & T Distinguished Professor; Econ, Mgt, Proj Mgt; PHD, George Mason University, 1997; MA, George Mason University, 1995; BS, Texas A&M University, 1992; Date of Appointment 2012

Mark L. Lord; Professor; Geosciences & Natural Resources; PHD, Univ North Dakota Grand Forks*, 1988; MS, Univ North Dakota Grand Forks*, 1984; BS, Suny Coll Cortland, 1981; Date of Appointment 1998

Nancy C. Luke; Associate Professor; School of Teaching and Learning; PHD, Univ Georgia Athens*, 2000; MA, Univ Nebraska Omaha, 1995; BS, University of Virginia, 1983; Date of Appointment 2010

Carol MacKusick; Assistant Professor; School of Nursing; MSN, Georgia Coll & State Univ, 1998; BSN, Clayton State University, 1994; Date of Appointment 2012

Alexander S. Macaulay; Associate Professor; History; PHD, Univ Georgia Athens*, 2003; MA, Univ Tennessee

Knoxville*, 1998; BA, The Citadel, 1994; Date of Appointment 2004

Lann Alvin Malesky; Professor/Dept Head; Psychology; PHD, University of Memphis, 2002; MS, Univ Southern Mississippi, 1998; BA, George Mason University, 1993; Date of Appointment 2004

Felicia Jones Malissen; Lecturer; World Languages; PHD, Univ Alabama Tuscaloosa*, 2003; MA, Appalachian State University, 1997; BA, Univ North Carolina Charlotte, 1993; Date of Appointment 2017

Terrence Vaughn Mann; Endowed Professor; School of Stage & Screen; BFA, NC School Of The Arts, 1976; Date of Appointment 2006

Jill Ann Manners; Assoc Prof; School of Health Sciences; MS, West Virginia University, 1995; BS, Ithaca College, 1993; Date of Appointment 2004

Jim Manning; Assoc Prof; Communication; PHD, Univ Georgia Athens*, 1998; MFA, City University Ba/Bs Program, 1992; MA, Univ South Carolina Columbia*, 1985; BA, Carroll College Mt, 1981; Date of Appointment 1998

Sarah Elizabeth Mannle; SS Adjunct; School of Nursing; DNP, Univ of Massachusetts-Amherst*, 2010; MSN, Vanderbilt University, 2003; Date of Appointment 2014

Elizabeth Ann Marcus; Assistant Professor; Office of the Dean - Hunter Library; BA, Western Carolina University, 2006; Date of Appointment 2007
Brenda G. Marques; Associate Professor; School of Health Sciences; PHD, Univ Georgia Athens*, 1997; MS, Florida State University, 1990; BS, Univ West Florida, 1973; Date of Appointment 2011

Charles F. Marth; Instructor; Chemistry & Physics; PHD, Univ Wisc Madison*, 1988; BS, Duke University, 1983; Date of Appointment 2003

Terry Joseph Martin; Assistant Professor; School of Stage & Screen; MFA, Kent State University, 2017; BA, Wittenberg University, 1996; Date of Appointment 2017

Thomas Hanson Martin; Associate Professor; Biology; PHD, NC State University, 1990; MS, East Tennessee State Univ, 1986; BS, Lincoln Memorial University, 1980; Date of Appointment 2001

William Robert Martin; Assoc Professor; School of Music; DMA, Univ North Carolina Greensboro, 1993; MM, Northwestern University, 1976; BM, Northwestern University, 1974; Date of Appointment 2001

Diane Lise Martinez; Assistant Professor; English; MA, New Mexico St Univ Univ Park*, 1993; BA, New Mexico St Univ Univ Park*, 1991; Date of Appointment 2012

Jon H. Marvel; Assoc Professor; Econ, Mgt, Proj Mgt; MBA, Shippensburg Univ Pa, 2007; PHD, Univ of Cincinnati, 1995; MSE, Univ Michigan Ann Arbor*, 1987; BE, Stevens Institute Tech, 1981; Date of Appointment 2010

Karen A. Mason; Assoc Prof; Criminology & Criminal Justice; PHD, Univ Tennessee Knoxville*, 1999; MA, Univ Tennessee Knoxville*, 1995; BA, Lenoir-Rhyne University, 1992; BA, Lenoir-Rhyne University, 1992; Date of Appointment 2005

Joseph William Mathews; Instructor; Biology; DVM, Auburn University, 1998; BS, Auburn University, 1994; BA, Washington University, 1991; Date of Appointment 2010

Katherine Gould Mathews; Assoc Prof; Biology; PHD, Univ Texas Austin, 1997; BA, Harvard University, 1992; Date of Appointment 2003

Michael Steven Mauren; Inst/Prod Mngr/Tech Dir; Office, Dean, Fine & Performing Art; BFA, Virginia Commonwealth Univ, 2008; Date of Appointment 2016

Bryan Lee McAdams; Assistant Professor; School of Stage & Screen; BM, Berklee College Music, 1993; Date of Appointment 2017

David Mark McCord; Professor; Psychology; PHD, Univ Alabama Tuscaloosa*, 1984; MA, Western Carolina University, 1979; BA, Duke University, 1972; Date of Appointment 1989

Seth J. McCormick; Associate Professor; School of Art & Design; PHD, Columbia Univ Columbia College, 2007; MA, Columbia Univ Columbia College, 2002; BA, Brown University, 1996; Date of Appointment 2009

Cale Woerner McDaniel; Head Coach Track/Field/CC; Office of Athletic Programs; MAED, Western Carolina University, 2013; BS, Western Carolina
Michael Kelly McDonald; Lecturer; Political Science & Public Affairs; MA, Univ Maryland College Park*, 2008; BA, Davidson College, 2003; Date of Appointment 2011

Elizabeth Anne McDonough; Asoc Prof/Ref Librn/Educ Liais; Office of the Dean - Hunter Library; EDD, Western Carolina University, 2014; MLIS, Univ North Carolina Greensboro, 1996; BS, University of Florida, 1982; Date of Appointment 1993

Shane Marie McElrath; Lecturer; English; MA, Western Carolina University, 2014; BA, Univ North Carolina Asheville, 2013; Date of Appointment 2016

Sharon James McGee; Associate Dean; Office of Dean Grad School Research; PHD, Purdue University, Main Campus, 1999; Date of Appointment 2017

Jayme Scott McGhan; Assoc Prof/Dir Stage/Screen; School of Stage & Screen; MFA, Univ Nevada Las Vegas, 2006; Date of Appointment 2015

James Morse McLachlan; Professor; Philosophy & Religion; PHD, Foreign Instit, 1989; MA, Indiana St Univ Terre Haute*, 1981; BA, Brigham Young Univ - Idaho, 1980; BA, Brigham Young Univ - Idaho, 1980; Date of Appointment 1989

Melisa Darlene Martin McNeil; Assistant Professor; School of Health Sciences; MHS, Western Carolina University, 2008; BS, Western Carolina University, 2005; Date of Appointment 2008

Erin K. McNelis; Assoc Prof; Mathematics & Computer Science; PHD, Clemson University, 2002; MS, Clemson University, 1996; BS, College of Charleston, 1993; Date of Appointment 2002

Gregory S. McPherson; Asst Prof/Exhbtn Designer; Office, Dean, Fine & Performing Art; MFA, Western Carolina University, 2006; BFA, Univ Georgia Athens*, 1993; Date of Appointment 2016

Sue L McPherson; Professor; Physical Therapy; PHD, Louisiana St Univ Baton Rouge*, 1987; MED, Georgia Southern University, 1978; BSED, Georgia Southern University, 1977; Date of Appointment 1992

Elizabeth G. McRae; Assoc Professor; History; PHD, Univ Georgia Athens*, 2003; MA, Western Carolina University, 1996; MAED, Marymount University, 1991; BA, Wake Forest University, 1989; Date of Appointment 2000

Angela Marie Mech; Assistant Professor; Geosciences & Natural Resources; PHD, Univ Georgia Athens*, 2015; BS, Univ North Carolina Asheville, 2005; Date of Appointment 2017

Matthew Meier; Assistant Professor; Psychology; PHD, Univ North Carolina Greensboro, 2014; MA, Appalachian State University, 2008; BA, Rutgers Univ - New Brunswick, 1996; Date of Appointment 2014

Sarah T. Meltzer; Assistant Professor; School of Teaching and Learning;
EDD, Florida Atlantic University, 2006; MED, Florida Atlantic University, 1991; BAED, Florida Atlantic University, 1986; Date of Appointment 2007

Justin Menickelli; Assoc Prof; School of Teaching and Learning; PHD, Louisiana St Univ Baton Rouge*, 2004; MAED, Western Carolina University, 1995; BS, Suny Coll Cortland, 1991; Date of Appointment 1999

April Waddell Messer; Assistant Professor; School of Nursing; MSN, Western Carolina University, 2013; BSN, Western Carolina University, 2010; Date of Appointment 2017

Sharon E. Metcalfe; Associate Professor; School of Nursing; EDD, NC State University, 1997; MSN, Univ Colorado Denver, 1981; BSN, Univ Colorado Denver, 1977; Date of Appointment 1996

Niall Guy Michelsen; Associate Professor; Political Science & Public Affairs; PHD, UNC at Chapel Hill, 1990; MA, UNC at Chapel Hill, 1984; BA, University of Chicago, 1976; Date of Appointment 2001

Glenn Davis Middleton; Instructor; Human Services; BS, Northrn Arizona University, 1997; Date of Appointment 2016

Jerry R. Miller; Distngshd Professor; Geosciences & Natural Resources; PHD, Southern Illinois Univ Carb, 1990; MS, Univ New Mexico Albuquerque, 1985; BS, Southern Illinois Univ Carb, 1982; Date of Appointment 1999

Monica Burrell Miller; Instructor; School of Teaching and Learning; MAED, Western Carolina University, 2008; BSED, Western Carolina University, 1995; Date of Appointment 1996

Robert S. Moranda; Instr/Hd Bs Co; Office of Athletic Programs; BA, Eastern Kentucky University, 1986; Date of Appointment 2007

John T. Morgan; Instructor; Criminology & Criminal Justice; JD, Univ Georgia Athens*, 1980; BBA, Univ Georgia Athens*, 1977; Date of Appointment 2015

Katanosh Morovat; Assistant Professor; Mathematics & Computer Science; PHD, Univ Arkansas Fayetteville*, 2017; MS, Univ Arkansas Fayetteville*, 2015; MS, Foreign Instit, 1998; BS, Foreign Instit, 1992; Date of Appointment 2017

Alison Morrison-Shetlar; Interim Chancellor; Office of the Chancellor; PHD, International College, 1984; BS, International College, 1980; Date of Appointment 2014

Patricia M Morse; Dept Head/Professor; Social Work; PHD, Tulane University, 1990; MSW, Tulane University, 1973; BA, Louisiana St Univ Baton Rouge*, 1972; Date of Appointment 2007

Stephen Charles Morse; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Tennessee Knoxville*, 1988; BS, Univ Georgia Athens*, 1978; Date of Appointment 2013

Hollye K. Moss; Sch Dir EMP/Prof/MBA Prog Dir; Office of the
Dean, Business; PHD, Clemson University, 2002; MBA, Wake Forest University, 1993; BA, Converse College, 1983; Date of Appointment 2002

Soichiro Motohashi; Instructor; World Languages; MA, Univ South Florida, 2015; MA, Florida State University, 2011; Date of Appointment 2016

Sean E Mulholland; Professor; Econ, Mgt, Proj Mgt; PHD, Clemson University, 2004; MA, Clemson University, 2001; BS, Clemson University, 1997; Date of Appointment 2016

Amy Beth Murphy-Nugen; Assistant Professor; Social Work; PHD, Indiana U Purdue Univ Indpls, 2014; MSW, Indiana U Purdue Univ Indpls, 2001; BA, Indiana Univ Bloomington*, 1998; BA, Indiana Univ Bloomington*, 1998; Date of Appointment 2014

Munene F. Mwaniki; Assistant Professor; Anthropology & Sociology; PHD, Univ Illinois Urbana*, 2014; MS, Miami Univ Oxford, 2008; BS, Miami Univ Oxford, 2006; Date of Appointment 2014

Erin M. Myers; Associate Professor; Psychology; PHD, Univ Southern Mississippi, 2010; MA, Univ Southern Mississippi, 2008; BS, Univ Southern Mississippi, 2006; Date of Appointment 2010

Elizabeth Nease; Assistant Professor; School of Nursing; DNP, Old Dominion University, 2017; MSN, University of Phoenix, 2008; BSN, Virginia Commonwealth Univ, 1995; Date of Appointment 2014

Peter Paul Nieckarz; Assoc Professor; Anthropology & Sociology; PHD, Westrn Michigan University, 1999; MA, Minnesota State Univ Mankato, 1996; BA, Lake Superior State University, 1993; Date of Appointment 2001

Candy Jo Noltensmeyer; Assistant Professor; Communication; PHD, Univ Missouri Columbia*, 2014; MA, Pittsburg State University, 2003; BA, Pittsburg State University, 2001; Date of Appointment 2013

Sean P. O'Connell; Assoc Prof/Dept Head; Biology; PHD, Idaho State University, 2002; BS, Johnson State College, 1994; AS, Sullivan Co Cmty College, 1990; Date of Appointment 2001

Kathryn M Odom; Associate Professor; Comm Sciences & Disorders; PHD, Univ South Carolina Columbia*, 2006; MS, Univ Alabama Tuscaloosa*, 2002; BA, Mercer Univ Macon*, 2000; Date of Appointment 2008

Burton Ray Ogle; Professor; School of Health Sciences; PHD, Virginia Commonwealth Univ, 1988; MS, East Tennessee State Univ, 1985; BS, Univ Tennessee Knoxville*, 1979; Date of Appointment 2002

Billy T Ogletree; Prof/Dept Head; Comm Sciences & Disorders; PHD, Florida State University, 1988; MA, University of Memphis, 1981; BS, Univ Southern Mississippi, 1979; Date of Appointment 1992

Yumiko Ono; Instructor; World Languages; MA, Univ of Massachusetts-Amherst*, 2009; BA, Foreign Instit, 1996; BA, Foreign Instit, 1992; Date of Appointment 2010
Kadence Alexa Otto; Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Florida State University, 2003; MS, Florida State University, 2000; BS, Plymouth State University, 1997; Date of Appointment 2003

Joshua Alan Overbay; Assistant Professor; School of Stage & Screen; MFA, Regent University, 2010; BA, Trinity Intl U Coll Arts Sci, 2003; Date of Appointment 2017

Lori Fay Oxford; Associate Professor/Dept Head; World Languages; PHD, Univ Georgia Athens*, 2007; MA, Georgia State University, 2002; BA, Univ South Carolina Columbia*, 1998; Date of Appointment 2008

Ronald Douglas Parker; Assistant Professor; Acct, Fin, Info Sys, Bus Law; MS, Western Carolina University, 2000; BS, Western Carolina University, 1999; Date of Appointment 2017

Charles T Parrish; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, George Mason University, 2014; MS, Georgia Southern University, 2007; BSED, Armstrong Atlantic State Univ, 2002; Date of Appointment 2014

Nicholas Vere Passalacqua; Assistant Professor; Anthropology & Sociology; PHD, Michigan State University, 2012; MA, Michigan State University, 2011; BA, Michigan State University, 2005; Date of Appointment 2015

Janak Paudyal; Assistant Professor; Chemistry & Physics; PHD, Florida International Univ, 2016; MS, Foreign Instit, 2006; Date of Appointment 2017

Patrick Mark Payne; Assistant Professor; Acct, Fin, Info Sys, Bus Law; PHD, Texas Tech University, 2015; MBA, Utah Valley University, 2012; BS, Utah Valley University, 2008; Date of Appointment 2016

Tamera L Pearson; Professor/Dir; School of Nursing; PHD, Univ South Carolina Columbia*, 1997; Date of Appointment 1992

Joseph H. Pechmann; Assoc Prof; Biology; PHD, Duke University, 1994; MS, Univ Georgia Athens*, 1981; BA, Hamilton College Ny, 1976; Date of Appointment 2006

William L Peebles; Professor; School of Music; DMA, Michigan State University, 1994; MM, Michigan State University, 1982; MSW, Michigan State University, 1980; BA, Michigan State University, 1979; Date of Appointment 1992

Andrew Daniel Penland; Assistant Professor; Mathematics & Computer Science; PHD, Texas A&M University, 2015; MS, Western Carolina University, 2011; Date of Appointment 2015

Undugodage Don Nuwan T Perera; Lecturer; Chemistry & Physics; PHD, Oklahoma State Univ Stillwater, 2015; BS, Foreign Instit, 2006; BS, Foreign Instit, 2006; Date of Appointment 2017

Linda K Perkel; SS Adjunct; School of Nursing; PHD, Barry University, 2000; MSN, Univ Miami, 1981; BSN, University of Florida, 1963; Date of Appointment 2011

April Lillian Perry; Assistant Professor; Human Services; PHD, Foreign Instit, 2012; MAED, Univ Centrl Oklahoma, 2007; BA, Univ Centrl Oklahoma, 2005; Date of Appointment 2012
Tara Danielle Peterson; Asst Prof; School of Health Sciences; MS, University of Florida, 2007; BS, Univ New England, 2005; Date of Appointment 2013

Eleanor A. Petrone; Associate Professor; English; PHD, UNC at Chapel Hill, 2009; MA, Columbia Univ Columbia College, 1995; BA, Bard College, 1991; Date of Appointment 2011

Leslie Scott Philyaw; Associate Professor; History; PHD, UNC at Chapel Hill, 1995; MA, Coll William And Mary, 1990; BA, Western Carolina University, 1983; Date of Appointment 1996

Robert Scott Pierce; Assistant Professor; School of Engineering & Technology; PHD, Georgia Inst Technology, 2003; MSME, Georgia Inst Technology, 1992; BSME, Georgia Inst Technology, 1983; Date of Appointment 1996

Holly Henderson Pinter; Assistant Professor; School of Teaching and Learning; PHD, University of Virginia, 2013; MAED, Western Carolina University, 2009; BS, Western Carolina University, 2005; Date of Appointment 2012

Malcolm Reid Powell; Professor; Biology; PHD, Univ Georgia Athens*, 1982; MA, Wake Forest University, 1979; BA, Wake Forest University, 1976; Date of Appointment 2003

Sheila Cothren Price; Assistant Professor; School of Nursing; MS, Western Carolina University, 1989; BS, Univ North Carolina Greensboro, 1977; Date of Appointment 2015

Amy Wells Putnam; Asst Prof/Prog Director; School of Nursing; MS, Western Carolina University, 2007; BSN, Western Carolina University, 1997; Date of Appointment 2005

Charles Scott Rader; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Tennessee Knoxville*, 2009; MBA, Univ Tennessee Knoxville*, 2004; BA, Suny Coll Purchase, 2001; Date of Appointment 2011

Brian E Railsback; Professor; English; PHD, Ohio Univ Athens, 1990; MA, Ohio Univ Athens, 1985; BS, Calif Polytechnic St Univ Slo, 1982; Date of Appointment 1990

Sanjay Rajagopal; Professor; Acct, Fin, Info Sys, Bus Law; DBA, Miss State University, 1997; MBA, Western Carolina University, 1990; MA, Foreign Instit, 1988; BA, Foreign Instit, 1985; Date of Appointment 2007

Howard Charles Ralph; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Clemson University, 2005; MBA, Clemson University, 1993; BA, Univ Maryland College Park*, 1983; Date of Appointment 2016

Brian Wayne Raming; Asst Prof; School of Health Sciences; PHD, Capella University, 2009; MBA, University of Phoenix, 2004; BS, Western Carolina University, 1993; Date of Appointment 2009

Mickey Mildred Randolph; Professor; Psychology; PHD, Univ South Carolina Columbia*, 1987; MA, Univ South Carolina Columbia*, 1985; BA, College of Charleston, 1980; Date of Appointment 1988
Ronald Vincent Rash; Distngshd
Professor; English; MA, Clemson
University, 1979; BA, Gardner-Webb
University, 1976; Date of Appointment
2003

Matthew J. Rave; Associate Professor;
Chemistry & Physics; PHD, Wake
Forest University, 2007; MS, Wake
Forest University, 1991; BA, Wake
Forest University, 1990; Date of
Appointment 2007

Jeffrey L Ray; Dean/Professor; Office
of the Dean, Engineer & Tech; PHD,
Vanderbilt University, 1993; MS,
Tennessee Tech University, 1989; BS,
Tennessee Tech University, 1986; Date
of Appointment 2014

Marissa S Ray; Assistant Professor;
School of Teaching and Learning;
MAED, Western Carolina University,
1993; BA, Florida Atlantic University,
1983; Date of Appointment 1995

Christy Aldridge Reagan; SS Adjunct;
School of Nursing; MSN, Western
Carolina University, 2015; BSN,
Western Carolina University, 1997;
Date of Appointment 2015

Audrey Mahlon Redford; Assistant
Professor; Econ, Mgt, Proj Mgt; BS,
James Madison University, 2012; Date
of Appointment 2016

Clark Bradford Reisinger; Lecturer;
English; MA, Western Carolina
University, 2010; BA, Samford
University, 2001; Date of Appointment
2012

Christina L Reitz; Associate Professor;
School of Music; PHD, University of
Florida, 2007; MM, University of
Florida, 2002; BM, Youngstown State
University, 2000; Date of Appointment
2008

Tracie Kim Rice; Clinic Dir/Assoc
DH/Asst Prof; Comm Sciences &
Disorders; PHD, University of Florida,
2002; MA, Univ Tennessee
Knoxville*, 1999; BS, Western
Carolina University, 1997; Date of
Appointment 2000

William Bradford Richmond;
Professor; Acct, Fin, Info Sys, Bus
Law; PHD, Purdue University, Main
Campus, 1988; BA, Cornell University,
1982; Date of Appointment 2005

Brett High Riggs; Sequoyah
Distinguished Prof; Office, Dean, Arts
& Sciences; PHD, Univ Tennessee
Knoxville*, 1999; MA, Univ
Tennessee Knoxville*, 1987; BA,
Wake Forest University, 1979; Date of
Appointment 2015

Heather Nicole Symon Rimes;
Assistant Professor; Political Science &
Public Affairs; PHD, Univ Georgia
Athens*, 2015; MPAD, Univ South
Alabama, 2011; Date of Appointment
2015

Jennifer Clark Riseden; Assistant
Professor; School of Nursing; MSN,
Carson-Newman University, 2011;
BSN, Carson-Newman University,
2004; Date of Appointment 2017

Tony Adel Rizk; Assistant Professor;
School of Engineering & Technology;
PHD, NC State University, 1991; MS,
NC State University, 1984; BA,
Warren Wilson College, 1981; Date of
Appointment 2017

Anthony James Roberson; Dir School
of Nursing/Prof; School of Nursing;
PHD, UNC at Chapel Hill, 2007; MS,
Univ South Florida, 1999; Date of Appointment 2017

Lisen Christina Roberts; Assoc Prof; Human Services; PHD, Univ Tennessee Knoxville*, 1997; MED, Keene State College, 1993; BS, Keene State College, 1989; Date of Appointment 1997

Phyllis Kathleen Robertson; Associate Professor/Dept Head; Human Services; PHD, Univ South Carolina Columbia*, 2005; MAED, Western Carolina University, 1988; BA, Univ North Carolina Asheville, 1982; Date of Appointment 2005

Sherry M Robison; Asst Prof; School of Health Sciences; MS, University of Memphis, 1994; BS, Univ Tennessee Martin, 1992; Date of Appointment 2008

Aimee Pauline Rockhill; Assistant Professor; Geosciences & Natural Resources; PHD, NC State University, 2013; MS, NC State University, 2008; BS, Foreign Instit, 1998; Date of Appointment 2016

Carrie Barnes Rogers; Associate Professor; School of Teaching and Learning; PHD, Univ of Minnesota-Twin Cities, 2010; MA, Univ Saint Thomas Mn, 2003; BA, Coll St Catherine St Paul, 1996; Date of Appointment 2010

Thomas McCall Rogers; Assistant Professor; Econ, Mgt, Proj Mgt; PHD, Univ South Carolina Columbia*, 1992; MBA, Winthrop University, 1985; BSBA, The Citadel, 1983; Date of Appointment 2016

Amy Janice Rose; Assistant Professor; Comm Sciences & Disorders; MA, Central Michigan University, 1988; BS, Central Michigan University, 1987; Date of Appointment 1997

Terry Denise Rose; Assistant Professor; School of Teaching and Learning; EDD, Univ Tennessee Knoxville*, 1991; MS, Univ Tennessee Knoxville*, 1987; BS, Univ Tennessee Knoxville*, 1981; BS, Univ Tennessee Knoxville*, 1981; Date of Appointment 1992

Nathan P. Roth; Assistant Professor; Psychology; PHD, University of Kentucky, 2009; MA, Western Carolina University, 2005; BS, Baldwin-Wallace College, 2003; Date of Appointment 2015

Iris Rouleau; SS Adjunct; School of Teaching and Learning; EDD, Univ North Carolina Charlotte, 2007; MED, Univ Hartford, 2003; MED, Univ Hartford, 1978; BA, CUNY Hunter College, 1972; Date of Appointment 2008

Sabine Jos Rundle; Assoc Prof; Biology; PHD, Univ Illinois Urbana*, 1991; MA, Indiana Univ Bloomington*, 1985; BA, Indiana Univ Bloomington*, 1983; Date of Appointment 1993

Charmion Briana Rush; Assistant Professor; School of Teaching and Learning; PHD, Univ North Carolina Greensboro, 2012; Date of Appointment 2015

Joshua Duane Russell; Asst Prof/Scrnwrtn/FTP Coord; School of Stage & Screen; MFA, Depaul University, 2014; Date of Appointment 2016

Honor R Sachs; Assistant Professor; History; PHD, Univ Wisc Madison*,
2006; MA, Univ Wise Madison*, 1999; BA, Dartmouth College, 1994; Date of Appointment 2013

Arthur L. Salido; Ex Dir Comm & Econ Eng & Innov; Office of the Provost; PHD, Wake Forest University, 1999; BA, Vanderbilt University, 1994; Date of Appointment 2013

Laura Patton Samal; Lecturer; English; PHD, Univ Tennessee Knoxville*, 2008; MA, Western Carolina University, 2001; BA, UNC at Chapel Hill, 1980; Date of Appointment 2008

Mary Baldwin Sanders; Asst Prof; School of Health Sciences; MS, Teachers College of Columbia U, 1981; BS, Univ Alabama Tuscaloosa*, 1975; Date of Appointment 2005

Kenneth James Sanney; Associate Professor; Acct, Fin, Info Sys, Bus Law; JD, Vanderbilt University, 2002; MS, Vanderbilt University, 2002; BS, Central Michigan University, 1998; Date of Appointment 2016

Sandra Mae Saunders; Visiting Asst Prof; English; MA, Wake Forest University, 1995; PHD, Florida State University, 1995; BA, Western Carolina University, 1979; Date of Appointment 1996

Roya Qualls Scales; Associate Professor; School of Teaching and Learning; PHD, Univ North Carolina Greensboro, 2009; MED, Gardner-Webb University, 1999; BSED, Univ North Carolina Greensboro, 1993; Date of Appointment 2009

William David Scales; Assistant Professor; Psychology; MS, Univ North Carolina Greensboro, 2008; BA, Univ New Mexico Albuquerque, 1997; Date of Appointment 2012

Michael Schallock; Associate Professor; School of Music; PHD, Univ North Carolina Greensboro, 2004; MM, Ohio State Univ Columbus, 1984; BME, Univ Southern Mississippi, 1982; Date of Appointment 2003

Jennifer Slama Schiff; Associate Professor; Political Science & Public Affairs; PHD, Old Dominion University, 2010; MA, Cleveland State University, 2001; BA, University of Virginia, 1997; Date of Appointment 2010

Ethan J. Schilling; Assistant Professor; Psychology; PHD, Univ Georgia Athens*, 2013; MS, Foreign Instit, 2006; BA, University of Connecticut, 2003; Date of Appointment 2013

Krista D. Schmidt; Assoc Prof/Ref Lib/Sci Liasn; Office of the Dean - Hunter Library; MSLS, UNC at Chapel Hill, 2002; Date of Appointment 2003

Shane DeGennaro Schoepfer; Assistant Professor; Geosciences & Natural Resources; PHD, Univ of Washington, Seattle, 2014; BA, Brown University, 2009; MS, Brown University, 2009; Date of Appointment 2017

Lori A. Schrodt; Professor; Physical Therapy; PHD, UNC at Chapel Hill, 2005; MS, UNC at Chapel Hill, 2000; BS, Ithaca College, 1992; Date of Appointment 2004

Callie Spencer Schultz; Assistant Professor; Human Services; PHD, University of Utah, 2014; MA, Foreign Instit, 2009; BA, University of Virginia, 2005; Date of Appointment 2017
Valerie L. Schwiebert; Professor; Human Services; PHD, University of Florida, 1991; MHS, University of Florida, 1985; BS, University of Florida, 1983; Date of Appointment 1995

Steven Anthony Sciara; Visiting Assistant Professor; Kimmel School of Construction Mngmt; MS, Appalachian State University, 2012; Date of Appointment 2014

Michelle Lc Scifers; Assistant Professor; School of Health Sciences; DPT, Emory University, 2009; MPT, Emory University, 1994; BS, Univ Georgia Athens*, 1990; Date of Appointment 2005

Andrew Simon Scott; Assistant Professor; Mathematics & Computer Science; PHD, Foreign Instit, 2010; BS, Foreign Instit, 2005; Date of Appointment 2013

Angela Gray Sebby; Assistant Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; MBA, Lincoln Memorial University, 2012; BS, Univ Tennessee Knoxville*, 2011; Date of Appointment 2016

Ophir P Sefiha; Assistant Professor; Criminology & Criminal Justice; PHD, Arizona State Univ Tempe, 2010; MA, Northrn Arizona University, 2003; BS, Northrn Arizona University, 1998; Date of Appointment 2013

Elizabeth Hilliard Sexton; Asst Prof; School of Nursing; MSN, Western Carolina University, 2011; BSN, Emory University, 1981; Date of Appointment 2011

JoBeth Surface Shafran; Assistant Professor; Political Science & Public Affairs; PHD, Univ Texas Austin, 2015; MA, Univ Texas Austin, 2011; Date of Appointment 2016

David A Shapiro; Madison Professor; Comm Sciences & Disorders; PHD, Indiana Univ Bloomington*, 1984; MS, Univ Vermont, 1977; BA, Suny Center Albany, 1976; Date of Appointment 1984

Anjana R. Sharma; Instructor; Biology; PHD, Univ Tennessee Knoxville*, 2003; MS, Univ Tennessee Knoxville*, 1999; MS, Foreign Instit, 1995; BS, Foreign Instit, 1993; Date of Appointment 2004

John James Sherlock; Professor; Human Services; EDD, George Washington University, 2000; MBA, Univ Maryland College Park*, 1988; MBA, Univ Maryland College Park*, 1988; BS, James Madison University, 1982; Date of Appointment 2002

Robert Eric Shetlar; Assistant Professor; Biology; PHD, Foreign Instit, 1991; MS, Univ Richmond, 1987; BS, Emporia State University, 1985; Date of Appointment 2014

Ellen Sigler; Associate Professor; Psychology; EDD, Texas Tech University, 1997; MS, Southern New Hampshire Univ, 1990; BS, Tulane University, 1984; Date of Appointment 2009

Josephine Crolly Simic; Associate Professor; Social Work; PHD, Univ Georgia Athens*, 2006; MSW, Univ Georgia Athens*, 1994; BS, Kennesaw State University, 1990; Date of Appointment 2006

Debby F. Singleton; Visiting Instructor; Human Services; MA, UNC at Chapel
Hill, 1986; BS, Longwood University, 1984; Date of Appointment 1996

Damon W Sink; Assistant Professor; School of Music; DMA, Univ of Cincinnati, 2007; MM, Univ of Cincinnati, 1995; BM, Univ of Cincinnati, 1992; Date of Appointment 2012

Alyssa Ferrell Sinyard; Instructor; School of Teaching and Learning; MED, Auburn University, 1988; BS, Auburn University, 1987; Date of Appointment 2016

Elizabeth Marie Skene; Asst Prof/Spec Dgtl Coll Librn; Office of the Dean - Hunter Library; MIS, Univ Michigan Ann Arbor*, 2011; Date of Appointment 2014

Rachel Farmer Smith; SS Adjunct; School of Nursing; MPH, UNC at Chapel Hill, 2008; BSN, Western Carolina University, 1995; Date of Appointment 2008

Kristin Marie Smyth; Assistant Professor; Social Work; PHD, Univ South Florida, 2017; MSW, Univ Central Florida, 2007; BA, Florida State University, 2004; Date of Appointment 2017

Melissa Marty Snyder; Associate Professor; School of Health Sciences; PHD, Univ North Carolina Greensboro, 2010; MS, Univ North Carolina Greensboro, 2004; BS, Univ Wisc La Crosse, 2002; Date of Appointment 2014

Sara L. Snyder; Assistant Professor; Anthropology & Sociology; PHD, Columbia Univ Columbia College, 2016; MPHL, Columbia Univ Columbia College, 2010; MA, Columbia Univ Columbia College, 2008; BA, UNC at Chapel Hill, 2000; Date of Appointment 2016

David Travis Solomon; Assistant Professor; Psychology; PHD, Central Michigan University, 2017; MA, Western Carolina University, 2012; BA, Univ North Carolina Charlotte, 2008; Date of Appointment 2017

Michelle Janet Sorensen; Assistant Professor; Philosophy & Religion; PHD, Columbia Univ Columbia College, 2013; MPHL, Columbia Univ Columbia College, 2005; MA, Columbia Univ Columbia College, 2001; BA, Foreign Instit, 1996; Date of Appointment 2014

Katerina Spasovska; Associate Professor; Communication; PHD, Univ Tennessee Knoxville*, 2011; MA, Univ Missouri Columbia*, 2000; BA, Foreign Instit, 1995; Date of Appointment 2010

Benjamin Eldred Spell; Professor; School of Music; PHD, Michigan State University, 1990; MM, East Carolina University, 1977; BM, Furman University, 1975; Date of Appointment 1990

Emily Sue Stafford; Instructor; Geosciences & Natural Resources; PHD, Foreign Instit, 2015; MS, Foreign Instit, 2010; Date of Appointment 2015

David Milton Starnes; Dir of Ath Bands/Asst Prof; School of Music; BSED, Univ Tennessee Knoxville*, 1988; Date of Appointment 2011

Richard D Starnes; Dean/Assoc Prof; Office, Dean, Arts & Sciences; PHD, Auburn University, 1999; MA, Western
Carolina University, 1994; BS, Western Carolina University, 1992; Date of Appointment 2000

Kathy A. Starr; Assoc Prof; Physical Therapy; PHD, Albany Medical College, 1992; MS, Albany Medical College, 1991; MS, Western Carolina University, 1986; BA, Florida State University, 1973; Date of Appointment 1996

Benjamin Allen Steere; Assistant Professor; Anthropology & Sociology; PHD, Univ Georgia Athens*, 2011; Date of Appointment 2015

Robert E. Steffen; Associate Professor; Kimmel School of Construction Mngmt; PHD, Georgia Inst Technology, 1998; MCE, Georgia Inst Technology, 1996; BCE, Georgia Inst Technology, 1993; Date of Appointment 2011

Sarah King Steiner; Assoc Prof/Hd of Res Inst Svcs; Office of the Dean - Hunter Library; MA, Georgia State University, 2011; MA, Univ South Florida, 2004; BA, Univ South Florida, 2002; Date of Appointment 2014

Mark A. Stoffan; Assoc Prof/Head DATS; Tech, Access & Special Collections; MLIS, Univ South Carolina Columbia*, 1997; Date of Appointment 2011

Wesley L. Stone; Associate Professor; School of Engineering & Technology; PHD, Georgia Inst Technology, 2003; MS, Pennsylvania St Univ Univ Park, 1996; BS, Univ Texas Austin, 1988; Date of Appointment 2004

Amanda Rhea Storm; Assistant Professor; Biology; PHD, Miami Univ Oxford, 2013; BS, Central St

University OH, 2008; Date of Appointment 2017

David Strahan; Botner Distinguished Professor; School of Teaching and Learning; EDD, Univ of Cincinnati, 1979; MED, Univ Miami, 1972; BS, Univ Miami, 1971; Date of Appointment 2004

Amy Jo Stringer; Assistant Professor; School of Teaching and Learning; PHD, Univ North Carolina Greensboro, 2004; MSED, Michigan State University, 1995; BS, Univ Toledo, 1987; Date of Appointment 2017

Adrienne Stuckey; Assistant Professor; School of Teaching and Learning; PHD, Georgia State University, 2015; MAED, VA Polytech Inst & State Univ, 1999; Date of Appointment 2015

Diane Marie Styers; Associate Professor; Geosciences & Natural Resources; PHD, Auburn University, 2008; MA, Georgia State University, 2005; BS, Univ North Carolina Greensboro, 1997; Date of Appointment 2011

Rajvee Subramanian; Assistant Professor; Communication; PHD, Southern Illinois Univ Carb, 2015; MA, Foreign Instit, 1999; BA, Foreign Instit, 1997; Date of Appointment 2017

SungJoon Suk; Assistant Professor; Kimmel School of Construction Mngmt; PHD, Univ Texas Austin, 2012; MS, Foreign Instit, 2006; BS, Foreign Instit, 1995; Date of Appointment 2012

Shantel Nicole Sullivan; Assistant Professor; Social Work; EDD, Univ New England, 2016; MSW, Univ New England, 2008; BA, Suny Coll
Potsdam, 2006; Date of Appointment 2016

Jack Stuart Summers; Assoc Prof; Chemistry & Physics; PHD, Georgia Inst Technology, 1989; BS, Univ West Florida, 1983; Date of Appointment 2003

Susan L. Swanger; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ South Carolina Columbia*, 1998; MBA, Western Carolina University, 1993; BBA, Kent State University, 1977; Date of Appointment 1997

Jessica Irene Swigger; Associate Professor; History; PHD, Univ Texas Austin, 2008; MA, Univ Texas Austin, 2002; BA, Univ Texas Austin, 1998; Date of Appointment 2008

Vicki Ellen Szabo; Assoc Prof; History; PHD, Cornell University, 2000; MA, Cornell University, 1996; BA, Kalamazoo College, 1992; Date of Appointment 2001

Zsolt Szabo; Assistant Professor; School of Music; MM, Western Illinois University, 2007; BM, Foreign Instit, 2005; Date of Appointment 2014

Elizabeth M. Tait; Associate Professor; School of Health Sciences; PHD, Univ North Carolina Charlotte, 2010; MHS, Western Carolina University, 2006; BS, Univ North Carolina Asheville, 1984; Date of Appointment 2011

April C. Tallant; Associate Dean; Office of the Dean, Honors; PHD, Univ Tennessee Knoxville*, 2009; MHS, Western Carolina University, 2001; BS, Western Carolina University, 1996; Date of Appointment 1997

Martin L. Tanaka; Associate Professor; School of Engineering & Technology; PHD, VA Polytech Inst & State Univ, 2008; MS, VA Polytech Inst & State Univ, 1993; BS, NC State University, 1992; Date of Appointment 2010

Erin E Tapley; Prof/Dir Sch of Art Design; School of Art & Design; PHD, University of Iowa, 1997; MFA, Univ Alabama Tuscaloosa*, 1994; BS, Skidmore College, 1991; Date of Appointment 2005

Peter Chain Tay; Associate Professor; School of Engineering & Technology; PHD, Univ Oklahoma, 2003; MA, Univ Oklahoma, 1995; BS, Univ Oklahoma, 1990; Date of Appointment 2007

Benedict F Tholkes; Assoc Prof/Asst Dept Head; Human Services; PHD, Univ of Minnesota-Twin Cities, 1994; MS, Minnesota State Univ Mankato, 1989; BA, Minnesota State Univ Mankato, 1972; Date of Appointment 1993

Amber Cole Thompson; Assistant Professor; School of Engineering & Technology; MS, Western Carolina University, 2008; BS, Appalachian State University, 2000; AAS, Isothermal Cmty College, 1998; Date of Appointment 2004

Shannon Thompson; Professor; School of Music; DMA, Univ Texas Austin, 1998; MM, Boston University, 1988; BA, Univ Oregon, 1986; Date of Appointment 1997

Elizabeth Heather Thompson Rainey; Associate Professor; Human Services; PHD, University of Virginia, 2009; Date of Appointment 2009
Allison Lindsay Thorp; Asst Prof/Dir Choral Actvts; School of Music; PHD, University of Rochester, 2016; MA, Marshall University, 2008; BME, West Virginia Wesleyan College, 2005; Date of Appointment 2016

Ashley Brooke Thrasher; Assistant Professor; School of Health Sciences; EDD, Ball State University, 2014; MS, Western Michigan University, 2011; BA, Anderson University, 2009; Date of Appointment 2016

Richard Tichich; Professor; School of Art & Design; MFA, Univ Texas San Antonio, 1979; MA, University of Iowa, 1971; Date of Appointment 2004

Blair Ryan Tormey; Coastal Research Scientist; Program for Study of Dev Shorelines; MS, UNC at Chapel Hill, 1999; BS, Pennsylvania St Univ Univ Park, 1996; Date of Appointment 2005

Kelly Nelson Tracy; Associate Professor; School of Teaching and Learning; PHD, Clemson University, 2009; MA, Furman University, 2002; BS, Appalachian State University, 1999; Date of Appointment 2011

Lawrence James Trautman; Assistant Professor; Acct, Fin, Info Sys, Bus Law; JD, Oklahoma City University, 2009; MBA, George Washington University, 1975; BA, American University DC, 1972; Date of Appointment 2016

Laura Hall Trivette; Assistant Professor; Comm Sciences & Disorders; MS, Western Carolina University, 2005; BS, Western Carolina University, 1998; Date of Appointment 2007

Heidi Leigh Turlington; Instructor; School of Teaching and Learning; MAED, Western Carolina University, 2009; BA, Meredith College, 2003; Date of Appointment 2011

Bruce David Tyler; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ of Massachusetts-Amherst*, 2010; MBA, Univ of Massachusetts-Amherst*, 2006; BA, University of Notre Dame, 2001; Date of Appointment 2011

Gregory Van Ulirsch; SS Adjunct; School of Health Sciences; PHD, UNC at Chapel Hill, 2005; MS, Georgia Inst Technology, 1989; BS, Georgia Inst Technology, 1982; Date of Appointment 2008

James H. Ullmer; Professor; Econ, Mgt, Proj Mgt; PHD, Univ Tennessee Knoxville*, 1996; MS, Univ Wisc Green Bay, 1977; BA, Univ Wisc Green Bay, 1972; Date of Appointment 1999

P Bradley Ulrich; Professor; School of Music; DMA, Univ Illinois Urbana*, 1989; MM, Univ Illinois Urbana*, 1986; BM, Florida State University, 1984; Date of Appointment 1989

Margaret Ann Underwood; Assistant Professor; School of Music; DMA, Univ of Minnesota-Twin Cities, 2007; MM, Ohio State Univ Columbus, 1999; BME, Suny Coll Fredonia, 1994; Date of Appointment 2015

Lori Eileen Unruh; Interim Assoc Dean/Assoc Prof; Office, Dean, Educ & Allied Prof; PHD, University of Kansas, 1994; MS, Eastern Kentucky University, 1987; BA, Wichita State University, 1979; Date of Appointment 2005
Bethany Lee Van Brown; Assistant Professor; Criminology & Criminal Justice; PHD, University of Delaware, 2009; Date of Appointment 2017

Jamie C. Vaske; Associate Professor; Criminology & Criminal Justice; PHD, Univ of Cincinnati, 2009; MS, Univ of Cincinnati, 2004; BS, Univ of Cincinnati, 2003; Date of Appointment 2009

Phillip Aaron Vassey; Academic Advisor; Criminology & Criminal Justice; MS, East Carolina University, 2008; Date of Appointment 2012

James Robert Veteto; Associate Professor; Anthropology & Sociology; PHD, Univ Georgia Athens*, 2010; MA, Appalachian State University, 2005; BA, Univ Georgia Athens*, 1998; Date of Appointment 2014

Johanna Price Vinyard; Assistant Professor; Comm Sciences & Disorders; PHD, University of Memphis, 2003; Date of Appointment 2013

Andrew D. Virtue; Assistant Professor; English; PHD, Univ of Minnesota-Twin Cities, 2013; Date of Appointment 2013

Heidi Beth Von Dohlen; Assistant Professor; Human Services; EDD, Western Carolina University, 2012; MS, Stony Brook University, 1995; MSED, SUNY @ New Paltz, 1995; BA, Lenoir-Rhyne University, 1990; BS, Lenoir-Rhyne University, 1990; Date of Appointment 2017

John C. Wagaman; Associate Professor; Mathematics & Computer Science; PHD, Texas A&M University, 2009; MS, Univ Central Florida, 2003; BS, Millersville Univ Pa, 2001; Date of Appointment 2009

Elizabeth DeVane Wall-Bassett; Associate Professor; School of Health Sciences; PHD, Clemson University, 2007; Date of Appointment 2008

Jamie Ray Wallen; Assistant Professor; Chemistry & Physics; PHD, Wake Forest University, 2008; BS, Emory & Henry College, 2003; Date of Appointment 2014

John Douglas Walsh; Assistant Professor; Communication; MSED, Indiana Univ Bloomington*, 2017; BSED, Foreign Instit, 2011; MFA, Univ Southern California, 1991; Date of Appointment 2017

Deborah Frances Walters; Instructor; Mathematics & Computer Science; MS, Western Carolina University, 2004; BA, Bryan College, 1980; Date of Appointment 2004

Elizabeth T Wark; Assistant Professor; Physical Therapy; DPT, Simmons College, 2007; MBA, Univ of Massachusetts-Amherst*, 1990; BS, Ithaca College, 1981; Date of Appointment 2016

Ashlee Marissa Wasmund; Assistant Professor; School of Stage & Screen; MFA, Western Illinois University, 2010; BA, Franklin College In, 2007; BA, Franklin College In, 2007; Date of Appointment 2016

Mary Kay K. Waters; Assoc Prof; School of Music; DMA, Univ Minnesota Duluth, 1989; MM, Northwestern University, 1983; BM, Catholic Univ America, 1980; Date of Appointment 1988
Cheryl Waters-Tormey; Dept Head/Assoc Prof; Geosciences & Natural Resources; PHD, Univ Wisc Madison*, 2004; MS, UNC at Chapel Hill, 1999; BS, Duke University, 1995; Date of Appointment 2004

Myra Keener Watson; Instructor; Human Services; MAED, Western Carolina University, 2007; BS, Western Carolina University, 2002; Date of Appointment 2011

Todd Watson; Professor; Physical Therapy; PHD, The University of Health Scien, 2000; MPT, Idaho State University, 1991; BS, Idaho State University, 1989; Date of Appointment 2002

Thomas A Watterson; Assistant Professor; School of Teaching and Learning; PHD, Univ South Florida, 2012; Date of Appointment 2013

Jessica Renee Weiler; Assistant Professor; Human Services; PHD, Univ Wisc Madison*, 2013; Date of Appointment 2013

David K Wells; Assistant Professor; School of Nursing; MSN, Gardner-Webb University, 2011; Date of Appointment 2013

Gayle Maddox Wells; Associate Professor; School of Teaching and Learning; PHD, Univ Tennessee Knoxville*, 2001; MS, Univ Tennessee Knoxville*, 1997; MAED, Univ South Carolina Columbia*, 1992; BA, Carson-Newman University, 1991; Date of Appointment 2006

Frankie Lane West; Lecturer; Anthropology & Sociology; BA, Baylor University, 2004; Date of Appointment 2017

John T West; Professor; School of Music; PHD, Florida State University, 1985; MME, Florida State University, 1982; BA, Univ South Florida, 1976; Date of Appointment 1985

Tonya M. Westbrook; Associate Professor; Social Work; PHD, Univ Georgia Athens*, 2006; MS, Univ of Cincinnati, 1998; BS, Jacksonville State University, 1993; BSW, Jacksonville State University, 1993; Date of Appointment 2007

David Leonard Westling; Adl Wrth Dls Dst Prf; School of Teaching and Learning; EDD, University of Florida, 1976; MED, University of Florida, 1974; BAED, University of Florida, 1971; Date of Appointment 1997

Ramona Craft Whichello; Assistant Professor; School of Nursing; DNP, East Tennessee State Univ, 2017; MSN, Emory University, 1991; BSN, Western Carolina University, 1987; Date of Appointment 2008

Barbara J. White; Professor; Acct, Fin, Info Sys, Bus Law; PHD, Univ Mississippi, 2005; MBA, East Carolina University, 2001; BA, UNC at Chapel Hill, 1984; BA, UNC at Chapel Hill, 1984; Date of Appointment 2005

Dustin Graham Whitehead; Assistant Professor; School of Stage & Screen; MFA, Depaul University, 2010; Date of Appointment 2015

Shara Leigh Whitford; Lecturer; English; MA, Lancaster Bible College, 1996; BA, Carson-Newman University, 1992; Date of Appointment 2002

John Floyd Whitmire; Assoc Prof/Dept Head; Philosophy & Religion; PHD, Villanova University, 2005; MA,
Villanova University, 1999; BA, Wake Forest University, 1997; Date of Appointment 2005

Denise A. Wilfong; Associate Professor; School of Health Sciences; PHD, Univ Tennessee Knoxville*, 2009; MHS, Western Carolina University, 2000; BS, Western Carolina University, 1994; Date of Appointment 2001

Dolores Willey; Associate Professor; Acct, Fin, Info Sys, Bus Law; EDS, Appalachian State University, 2004; EDS, Appalachian State University, 2004; JD, Univ Tennessee Knoxville*, 1977; BA, Maryville College TN, 1974; Date of Appointment 2004

John Allan Williams; Professor; Anthropology & Sociology; PHD, Ohio State Univ Columbus, 1980; MA, Ohio State Univ Columbus, 1976; BS, Ohio State Univ Columbus, 1975; Date of Appointment 2003

Evelyn Anne Wilson; Asst Prof; School of Health Sciences; MHS, Western Carolina University, 2008; BS, Erskine College, 1994; BS, Erskine College, 1994; Date of Appointment 2011

Sue Stewart Wingfield; Associate Professor; Human Services; PHD, Univ Houston Main Campus*, 1992; MBA, Univ Houston Main Campus*, 1990; BSME, Univ Houston Main Campus*, 1981; Date of Appointment 2017

Kimberly Kristine Winter; Dean CEAP/Professor; Office, Dean, Educ & Allied Prof; PHD, Indiana St Univ Terre Haute*, 1999; MED, Indiana St Univ Terre Haute*, 1997; BS, Univ Texas Austin, 1994; Date of Appointment 2012

Pavel Wlosok; Professor; School of Music; MMUS, Univ North Texas, 2000; BM, Univ North Texas, 1998; Date of Appointment 2002

Mesfin Arega Woldeyohannes; Associate Professor; Chemistry & Physics; PHD, Foreign Instit, 2001; MS, Foreign Instit, 1995; MS, Foreign Instit, 1989; BS, Foreign Instit, 1986; Date of Appointment 2005

Paul Marcus Worley; Associate Professor; English; PHD, UNC at Chapel Hill, 2009; MA, Johns Hopkins Univ*, 2002; BA, UNC at Chapel Hill, 1999; Date of Appointment 2014

Cynthia Denise Wray; Instructor; Communication; MA, Western Carolina University, 2007; BS, Western Carolina University, 2001; Date of Appointment 2007

Edward William Wright; Professor/CEI Director; Econ, Mgt, Proj Mgt; DMGT, Case Western Reserve Univ, 2007; MBA, Wake Forest University, 2002; BS, UNC at Chapel Hill, 1974; Date of Appointment 2009

Laura Lynn Wright; Professor; English; PHD, Univ of Massachusetts-Amherst*, 2004; MA, East Carolina University, 1995; BA, Appalachian State University, 1992; Date of Appointment 2005

Lihua Xu; Assistant Professor; Human Services; PHD, Oklahoma State Univ Stillwater, 2009; BA, Foreign Instit, 1998; Date of Appointment 2017

Yanjun Yan; Assistant Professor; School of Engineering & Technology; PHD, Syracuse University, 2009; Date of Appointment 2013
Weiguo Yang; Professor; School of Engineering & Technology; PHD, Princeton University, 1999; MA, Princeton University, 1997; MS, Foreign Instit, 1995; BS, Foreign Instit, 1992; Date of Appointment 2007

Yiqing Yang; Assistant Professor; Anthropology & Sociology; PHD, University of Utah, 2016; MBA, Foreign Instit, 2008; BS, Foreign Instit, 1997; Date of Appointment 2017

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