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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2017-2018 Academic Calendar

Fall 2017

August 18  Friday  Residence halls open
August 21  Monday  All classes begin (8:00 AM)
September 1  Friday  University census date (5:00 PM)
September 4  Monday  Labor Day (No classes)
September 12  Monday  Deadline to apply to graduate in December
September 25  Monday  Fifth week grades due (5:00 PM)
October 16-20  Monday-Friday  Fall Break
October 27  Friday  Last day to drop with a "W"
October 28  Saturday  Homecoming
October 31  Tuesday  Advising Day (No classes or faculty meetings)
November 1  Wednesday  Registration begins for Spring 2018
November 1  Wednesday  On-line graduation application opens for Spring 2018
November 22-24  Wednesday - Friday  Thanksgiving (No classes)
December 8  Friday  Last day of classes
December 9-15  Saturday - Friday  Final exams (Saturday- Friday)

December 16  Saturday  Commencement - Graduate School, Honors College, Colleges of Arts & Sciences, Education & Allied Professions, Fine & Performing Arts (10:00 AM) Ramsey Center
December 16  Saturday  Commencement- Graduate School, Honors College, Colleges of Business, Health & Human Sciences, Kimmel School (2:00 PM) Ramsey Center

December 18  Monday  All grades due (10:00 AM)

Spring 2018

January 9  Tuesday  Deadline to apply to graduate in May
January 11-12  Thursday-Friday  Orientation
January 12  Friday  Residence halls open
<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 15</td>
<td>Monday</td>
<td>Martin Luther King, Jr. Birthday (No classes)</td>
</tr>
<tr>
<td>January 16</td>
<td>Tuesday</td>
<td>All classes begin (8:00 a.m.)</td>
</tr>
<tr>
<td>January 29</td>
<td>Monday</td>
<td>University census date (5:00 PM)</td>
</tr>
<tr>
<td>February 19</td>
<td>Monday</td>
<td>Fifth week grades due (5:00 PM)</td>
</tr>
<tr>
<td>February 20</td>
<td>Tuesday</td>
<td>Advising Day (No Classes)</td>
</tr>
<tr>
<td>February 21</td>
<td>Wednesday</td>
<td>Registration begins for Summer/Fall 2018</td>
</tr>
<tr>
<td>February 21</td>
<td>Wednesday</td>
<td>On-line graduation application opens for Summer 2018 and Fall 2018</td>
</tr>
<tr>
<td>March 23</td>
<td>Friday</td>
<td>Last day to drop with a &quot;W&quot;</td>
</tr>
<tr>
<td>March 5 - 9</td>
<td>Monday - Friday</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 28 - 30</td>
<td>Wednesday - Friday</td>
<td>No classes</td>
</tr>
<tr>
<td>May 4</td>
<td>Friday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>May 5 - 11</td>
<td>Saturday - Friday</td>
<td>Final exams</td>
</tr>
<tr>
<td>May 11</td>
<td>Friday</td>
<td>Commencement-Graduate Students (7:00 PM) Ramsey Center</td>
</tr>
<tr>
<td>May 12</td>
<td>Saturday</td>
<td>Commencement - Colleges of Arts &amp; Sciences, Education &amp; Allied Professions, Fine &amp; Performing Arts (10:00 AM) Ramsey Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commencement-Colleges of Business, Health &amp; Human Sciences, Kimmel School (2:00 PM) Ramsey Center</td>
</tr>
<tr>
<td>May 14</td>
<td>Monday</td>
<td>All grades due (10:00 AM)</td>
</tr>
</tbody>
</table>

**Summer 2018**

**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>Day</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 14 - 29</td>
<td>Monday - Tuesday</td>
<td>Minimester term</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Assisted registration for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Asheville, Suite 355 Biltmore Park</td>
</tr>
<tr>
<td>May 8 - June 30</td>
<td>Monday - Friday</td>
<td>Registration (9 and first 4.5 week term)</td>
</tr>
<tr>
<td>Date</td>
<td>Day</td>
<td>Event</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>June 4</td>
<td>Monday</td>
<td>Classes begin for 9 and first 4.5 week term (8:00 AM)</td>
</tr>
<tr>
<td>June 4 - August 3</td>
<td>Monday - Friday</td>
<td>9 week term</td>
</tr>
<tr>
<td>June 4 - July 3</td>
<td>Monday - Tuesday</td>
<td>First 4.5 week term</td>
</tr>
<tr>
<td>June 22</td>
<td>Friday</td>
<td>Deadline to apply to graduate in August</td>
</tr>
<tr>
<td>July 4</td>
<td>Wednesday</td>
<td>Independence Day Holiday (University closed)</td>
</tr>
<tr>
<td>July 5</td>
<td>Thursday</td>
<td>Registration (Second 4.5 week term)</td>
</tr>
<tr>
<td>July 5</td>
<td>Thursday</td>
<td>Classes begin for second 4.5 week term (8:00 AM)</td>
</tr>
<tr>
<td>July 5 - August 3</td>
<td>Thursday - Friday</td>
<td>Second 4.5 week term</td>
</tr>
<tr>
<td>Various Dates</td>
<td>Last day of each course</td>
<td>Final exams</td>
</tr>
</tbody>
</table>
Important Telephone Numbers

Admissions  227-7317
Advising Center  227-7753

Colleges

  College of Arts and Sciences  227-7646
  College of Business  227-7412
  College of Education and Allied Professions  227-7311
  College of Engineering and Technology  227-7368
  College of Health and Human Sciences  227-7271
  Graduate School  227-7398
  Honors College  227-7383

Disability Services  227-3886
Educational Outreach  227-7397
Financial Aid  227-7732
Food Services  227-7396
Fraternities, Sororities, Clubs  227-7206
General Student Information  227-7234
Information Technology/Help Desk  227-7487
International Students  227-7494
One Stop  227-7170
Orientation  227-7087
Parking Services  227-7275
Provost Office  227-7495
Registrar, Student Records, Transcripts  227-7216
Residential Living  227-7303
Student Accounts  227-7324
Military Student Services  227-7232
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, creative, and cultural activities to sustain and improve individual lives and enhance economic and community development in Western 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 at 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 Tuckaseigee 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, masters, 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
- ABET, Engineering Technology 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 in cooperation with the Council on Accreditation of the American Health Information Management Association, and the Joint Review Committee on Educational Programs for the Emergency Medical Professions
- Commission on Accreditation of Athletic Training Education
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education (CCNE)
- Council on Accreditation of the American Association of Nurse Anesthetists
- Council for Accreditation of Counseling and Related Educational Programs
- Council of Applied Masters Programs in Psychology
- Council on Social Work Education
- Foundation on Interior Design Education Research (FIDER)
- National Accreditation Council for Environmental Health Science and Protection
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association of Schools of Music
- National Association of School Psychologists
- National Council for Accreditation of Teacher Education
- National Council for Teachers of English
- National Kitchen and Bath Association Endorsement
- North American Society for Sport Management/National Association of Sport and Physical Education
- North Carolina Board of Nursing
- North Carolina Criminal Justice Education and Training Standards Commission
- North Carolina Department of Public Instruction
- Project Management Institute, Inc.
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:

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 College 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
College Entrance Examination Board
Conference of Southern Graduate Schools
Cooperative Education Association
Council of Applied Masters Programs in Psychology
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
United States Institute for Theatre Technology

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, the education specialist in educational leadership, the 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 art, 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 and 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:

- 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 through the use of a shared online catalog and delivery service. Students can readily borrow items from these other libraries and generally receive them in 2 days or less. The combined collection is over 2 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
- 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 over 227,000 government documents representing both the Federal government and the North Carolina government
- 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 contains 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, an extensive collection of CDs, videotapes, DVDs and other media in its Curriculum Materials Center (CMC)
- Curriculum Materials also maintains 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
Accessibility Resources. It is the mission of the Office of Accessibility Resources to remove barriers and ensure equal access for all qualified students with disabilities. We do this 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. 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 assessable 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 located in the Reid Building Room 150. For more information (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 SBTDC and 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 WNC 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 U.S. 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, there are 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 (highlandsbiological.org) or contact
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 endeavor. Information Technology is located in various campus buildings with assistance available at many of Western'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 & IT Governance, Chief Technologist & IT Security Office, Coulter Faculty Commons, IT Applications & Systems, IT Project Management Office, Instructional Technology and Desktop Services, and Networking & 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 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 Carolina, and throughout the world to:

- 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 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, for example, 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 U.S. 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 are able to 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:

- 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 adviser, 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 with known or suspected speech, language, and/or hearing disorders in its catchment area of western North Carolina. 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 persons of all ages. In addition to traditional speech/language/hearing services, the SHC offers the following:

- hearing aid evaluation and dispensing
- optoacoustic 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 SBIR and 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 who 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, as well as 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 & 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, student support 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. There are occasions when 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 wide range of opportunities is available for continued learning in many fields. These include both online and face-to-face opportunities. 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 on-line. Special short courses, workshops, and institutes in a number of 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 of 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, 828-497-7920, next to the Cherokee Youth Center. The Center operates Monday thru Friday 8 am - 5 pm.

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 degree while continuing their career. At WCU Biltmore Park the University offers two doctoral programs in Education and Nursing, and ten masters 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 & 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 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 office also serves 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, 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**

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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 with the ultimate goal being the retention 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
Western Carolina University is dedicated to the academic and social growth and development of each student. The Office of Student Affairs has overall responsibility in this area, and its functions include providing housing, counseling and health care services, recreation and wellness programs, and enhancing the college environment with social, educational, 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 Resident Directors and professional staff responsible for both community and personal growth and development.

The residence halls are open to all students, undergraduate and graduate, to the extent available. First and second year students, along with 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-the-chancellor/legal-counsel-office/university-policies/numerical-index/university-policy-96.asp.

A variety of accommodations are available; however, most rooms are designed for double occupancy. 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, as well as designated public areas. Other amenities include vending machines, washers, and dryers. Mail service is provided to all residential students at the mail station located in the University Center. Mailing addresses are assigned by the Department of Residential Living and will be provided when students receive housing assignments.

Please visit http://www.wcu.edu/experience/life-on-campus/residential-living/index.aspx 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 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: https://offcampushousing.wcu.edu/.

Please review the Dining Services website at https://westerncarolina.campusdish.com/ 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 828-227-7396.

Student Activities and Services

A variety of programs, activities, and services identified with everyday living are available on campus. Students are encouraged to choose and participate in co-curricular activities wisely and balance them with their academic endeavors. The student activity fee helps to support many of these activities and services as well as a number of cultural programs. The fee also supports the campus media including the radio station, newspaper, literary magazine and student television station.

Student organizations are recognized as an important part of the educational process. More than 150 recognized campus organizations provide students opportunities to explore their religious, political, professional, social or special interests and to be recognized for their academic and personal achievements. Learn more about the ways student can get involved on-line at http://westerncarolinauniversity.orgsync.com/SO_home.

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 Student Body 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.

A.K. Hinds University Center. The University Center (UC) is your gateway to involvement at WCU! From programs and student organizations to dining options and conference rooms, the UC is the central facility for student participation! The UC provides a wide range of services, programs, and organizations aimed to improve student involvement and to provide a well-rounded collegiate experience for students. The A.K. Hinds University Center provides an inclusive student-centered community that supports and encourages student learning, leadership opportunities, personal development, and active learning in a caring atmosphere.

Named for the late Anthony Keith Hinds, former dean and professor of mathematics at WCU, the University Center is the hub of student social life on campus. The UC features a two-story atrium, meeting rooms, a grand ballroom, a 170-seat movie theater, Club Illusions, Catamount Clothing, a food court, and the student mailroom. The additional space also includes the Department of Intercultural Affairs, Department of Greek Student Engagement and Development, and the Center for Student Involvement with offices, workspace, and conference rooms for student clubs and organizations. Also a vital part of the UC is the Student Media Center, which houses student-run media groups that include radio, newspaper, television and literary magazines. The UC also works with the student
leaders of Last Minute Productions (LMP) and Arts and Cultural Events (ACE) to provide student-initiated programming for the entire campus. These groups work to bring concerts, speakers and a variety of performers to the campus community. The UC website is available at: http://www.wcu.edu/experience/connect-and-join/department-of-campus-activities/index.asp

**Office of Leadership and Student Involvement.** Located on the third floor of the A.K. Hinds University Center, the Office of Leadership and Student Involvement (within the Department of Campus Activities) is committed to providing students with opportunities to continually enhance their leadership skills and interests.

Through our curricular and co-curricular programs, WCU students will be exposed to a variety of leadership skills that will carry with them throughout their lives. Students will experience advanced leadership opportunities and be exposed to additional resources that can be used in their daily lives or within their personal/professional leadership positions.

Through student clubs and organizations such as the Leadership Institute and the Student Government Association, or through programs such as the Freshman Leadership Institute, Whee LEAD Conference, CatCamp, CATalyst, or any one of the LEAD Living-Learning Communities (LLC's), students will 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).


Located in the University Center's Office of Greek Student Engagement and Development works with the 20 national Greek-letter organizations. Joining a fraternity or sorority offers students an opportunity to build leadership skills, become involved in service and philanthropy projects, network, and engage in social outlets during their collegiate years. More information about Greek Life and joining a fraternity or sorority is available on-line: https://www.wcu.edu/experience/dean-of-students/fraternity-sorority-life.aspx.

**Campus Recreation and Wellness.** The mission of the Department of Campus Recreation and Wellness (CRW) is to create a campus-wide culture of recreation and wellness through a comprehensive array of programs and services that educate, empower, and engage individuals to pursue and sustain healthy, balanced lifestyles.

Located in the 73,000 square foot Campus Recreation Center (CRC), CRW offers many opportunities for students to get involved on campus. Programs and services include use of the CRC, access to Reid Pool, group exercise classes, intramural sports, equipment checkout, personal training, wellness programs, club sports, and Base Camp Cullowhee. Base Camp Cullowhee is WCU's outdoor program and offers a wide array of outdoor trips, equipment rentals, special events, and outdoor leadership training.

In addition to the CRC and Reid Pool, CRW has other facility resources for students to get active. Check out our 13-hole disc golf course, single-track hiking and mountain biking trail system, intramural field space, and campus walking routes. For more information, please visit our website at http://reccenter.wcu.edu.
Athletics. The university provides a full program of sixteen intercollegiate sports. Athletic teams play a full schedule in football, baseball, men's and women's golf, men's and women's basketball, women's volleyball, men's and women's indoor and outdoor track, women's softball, men's and women's cross country, women's tennis, and women's soccer. The university is a member of the National Collegiate Athletic Association (NCAA Division I) and the Southern Conference. A standing committee of the Faculty Senate is responsible for reviewing and recommending policy regarding intercollegiate athletics.

Health Services. Western Carolina University Health Services is designed to meet the healthcare needs of the WCU community to enhance the physical, psychological, environmental and health education needs of the campus. The medical practice serves as primary care for students while in attendance, and functions as a hybrid of a traditional primary care practice, with urgent care services added. The staff includes physicians, midlevel practitioners, registered nurses, medical and laboratory technicians that offer a variety of healthcare services. Those include well physicals, well visits, medication management, sick visits, women's health, immunotherapy/allergy and injection clinic, suturing, splinting and many other minor procedures. Health Services offers on-site laboratory testing, as well as operating a smaller scale pharmacy that stocks both prescription and over the counter medications. All services are designed to allow patients convenient, affordable access to timely medical care.

Campus EMS is also a part of Health Services. The BLS (Basic Life Support) ambulance service, is staffed by certified student workers that provides on-campus coverage for medical emergencies 24 hours a day while classes are in session. The EMS service performs patient assessment and care along with providing transportation to either Health Services on campus or the Harris Hospital emergency department for continued medical services.

Health Services is funded by the mandatory Student Health Fee. The fee allows students to have unlimited access to care, there is not a restriction on the number of visits to the medical providers. Through the course of care, the provider may order lab testing or perform a procedure that is not considered part of the routine visit and the patient may incur separate charges for those services. Charges are also billed for any items purchased through the Health Services pharmacy. Charges can be paid at the time of service or as part of the student's WCU account. Although Health Services is not considered in-network with major insurance carriers, insurance forms are available and can be filed as a patient courtesy. As part of the University of North Carolina System, WCU participates in the mandatory health insurance requirement imposed on all UNC system students. Students will be automatically enrolled in the school sponsored plan, unless the student provides proof of other insurance coverage during the waiver process. Students do not have to be enrolled in the school sponsored plan to utilize care in Health Services. Insurance is intended to assist the student with any medical expenses that are incurred beyond Health Services, medical care such as surgery, hospitalization or emergency department visits.

Upon acceptance, and before class registration, incoming students are required by NC law to comply with immunization requirement. Students must provide proof of immunization history to satisfy those requirements, and the student's registration status may be restricted until the requirements are met.

More information about Health Services, immunizations and the health insurance requirements are available on-line at http://healthservices.wcu.edu.
Counseling and Psychological Services (CAPS). The mission of WCU CAPS is to empower students to engage in and be successful in a full range of academic, social, and cultural endeavors through fostering psychological wellness. CAPS provides free and confidential counseling and emergency services for students. Other services include groups, psychiatric medication assessments, referrals, and outreach presentations. The staff is comprised of licensed mental health providers (psychologists, a social worker and a professional counselor). Additionally, graduate interns and practicum students in training provide services to students. Please refer to our website at caps.wcu.edu for further information. Initial appointments can be made in person (Bird Bldg. 2nd floor) or by phone (227-7469). For daytime emergencies, contact the CAPS office. For after-hours mental health emergencies, call 828-227-8911 and ask to speak to the counselor on call.

The Career Services/Cooperative Education Office is multi-faceted and student service oriented. We are committed to providing up-to-date services which: assist in career/major decision-making; promote career experiences, and job search learning; and then facilitate contact with employers and graduate schools.

Activities/services include the following:

On campus student employment (http://careers.wcu.edu/nws-jobs.asp), web-accessible job listings, programs, individual conferences with career counselors, vocational and interest testing (both on-line and in person), cooperative education and internship programs, resume and cover letter critiquing services, an on-line mock interview program, a career library with a university-wide computer-aided career guidance programs and multiple career events.

The Career Services Cooperative Education Office is located on the 2nd Floor Killian Annex. For more information (http://careers.wcu.edu).

Intercultural Affairs (ICA). Intercultural Affairs sponsors a variety of programs throughout the academic year to highlight some of the many cultures represented in the campus community. ICA staff serves as educators, resources, advocates, and foundations of support for the Western Carolina community with an emphasis on creating a culture of inclusion. Located in the second floor of the University Center, Intercultural Affairs is a resource for all WCU students.

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.

The arena, concourse, meeting rooms, outdoor patios, and other reservable spaces are available to the public for banquets, trade shows, conferences and meetings. Students may utilize the Ramsey Center's full line of event services including event planning, equipment reservations, and room set-ups.

The Ramsey Center offers opportunities to enjoy regular fitness activity. Students have free access to five racquetball courts, two basketball courts, walking or jogging around the concourse, and a lighted outdoor rollerblade and skateboard area.

Students play a major role in the operation of the Ramsey Center. Student managers keep the Ramsey Center open for activity during evenings and weekends. Stage crew, lighting operators, and promotion and event staff help with concerts and other major productions. Utility crew and office assistants work closely with staff to handle day-do-day operations.
Ramsey Center team members work flexible hours; gain leadership experience; and develop communication, teamwork, and time management skills.

For more information about the Ramsey Center and its programs and services, go online to http://www.wcu.edu/ramsey/.

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 and the Code of Student Conduct. DSCE works to help students and organizations who violate University living and learning expectations become more responsible members of the Western Carolina University Community. DSCE also collaborates with academic leaders, University Police and other University officials to help keep our campus community safe. The DSCE facilitates education about the Western Carolina University Community Creed:

Creed: A system of beliefs, principles, and aspirations.

- I will live by high standards of 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 engage myself in artistic, cultural, and academic life of my University.
- I will celebrate 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 can be found at http://dsce.wcu.edu and includes important information about the Community Creed, alcohol and other drug education, as well as student rights and responsibilities under the WCU Code of Student Conduct.

Western Carolina University Police work to keep the campus community safe and help prepare the campus for emergencies. An annual safety report is posted on-line at http://police.wcu.edu/ and http://www.wcu.edu/experience/dean-of-students/About.asp in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus 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.

WCU Campus Police and Law Enforcement. The University Police department is responsible for providing law enforcement, criminal investigation, and protective services on campus. University Police officers are certified by the N.C. Attorney General's Office 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 911 from a University telephone or by dialing 828-227-7301 from your cellular telephone; non-emergencies may also be reported by dialing 828-227-7301. Reports for crimes may be filed 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 which are placed at various locations throughout
Information regarding crime reports, statistics and prevention programs is available at the University Police department and http://police.wcu.edu website.

**Traffic and Parking.** The University Police department is responsible for the administration of Western'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 such law prescribes.

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 on-line 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 that they have received. Appeals concerning student violations are heard by a similar SGA appellate committee. The faculty and staff parking citation appeal form is available 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 according to 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 website at http://www.wcu.edu/discover/campus-services-and-operations/university-police/cat-tran/index.asp or call the Cat-Tran office at 828-227-8726 (TRAN).

**Books, Supplies Clothing and Gifts.** 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, distance learning and supplemental text and course-related materials for undergraduates are sold by the store. The book rental plan, operated through the book rental department of the bookstore, is explained on page 38 of this catalog. Caps and gowns, graduation invitations, and class rings also may be purchased at the store. In addition, a variety of clothing, gifts, greeting cards and miscellaneous items are offered in the store. For more information, call 828-227-7346 or visit our web site at http://books.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.

**Bank Services.** A Wachovia ATM is located on campus. State Employees Credit Union and BB&T ATM's are located in the Hinds University Center. Additionally, branch offices of Wachovia Bank, 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, Jackson Savings Bank are located in or near Sylva.
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 visit us at 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 located in the remodeled west wing area of the Cordelia Camp Building. If you would like further information, please visit (http://www.wcu.edu/engage/community-resources/kneedler-child-development-center/) or contact the center at (828) 293-1530

Policy on Computer Abuse

The university provides computer access through the information technology division, college, and department computer systems. It is essential that computer systems be protected from misuse and unauthorized access subject to university policy and applicable state and federal laws.

Computer abuse defined as, (but not limited to), privacy issues, theft, vandalism, copyright issues, and harassment will be referred to the Office of the Chief Information Officer and/or college or department computer network and laboratory managers. Abuse involving theft or vandalism will also be reported to the University Police Department. Penalties include, but are not necessarily limited to, suspension or revocation of computing privileges, reimbursement to the university for resources consumed, other legal action including action to recover damages, referral to law-enforcement authorities, and referral to the Vice Chancellor for Student Affairs for disciplinary action. In connection with inquiries into possible abuses, the university reserves the right to examine files, programs, passwords, accounting information, printouts, or other computing material without notice authorized only by the Chief Information Officer. See University Policy #52, Use of Computers and Data Communications online at http://www.wcu.edu/discover/leadership/office-of-the-chancellor/legal-counsel-office/university-policies/numerical-index/university-policy-52.asp

Electronic Mail Policy. University electronic mail accounts are provided and supported by the State of North Carolina to support the mission of the university. The electronic mail system is provided by the university as one of its primary means of official communication. An electronic mail 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 electronic mail system messages on a regular basis to receive these official notices.

Users have the responsibility to use these resources in an efficient, effective, ethical and lawful manner. Use of the university's electronic mail system evidences the user's agreement to be bound by the university's Electronic Mail Policy. Violations of this policy may result in restriction of access to the university email system and/or other appropriate disciplinary action. University Policy #93, Electronic Mail Policy online at
http://www.wcu.edu/discover/leadership/office-of-the-chancellor/legal-counsel-office/university-policies/numerical-index/university-policy-93.asp, ensures the appropriate use of the university's electronic mail system by its students, faculty and staff
Admissions

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 1 a completed application form, 2 application processing fee (see Fees and Financial Aid section), and 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 students prepare for their first semester at WCU. Information provided will be used to create an initial schedule for the student. Students are required to attend one student orientation. During orientation, new students are given a general introduction to the university and to campus life. At this time, students will meet with an academic advisor and be given an opportunity to make adjustments to 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. There is also an advance housing deposit of $150 that must be submitted by all new students who plan to live in a university residence hall. 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 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 taking 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
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 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. Information and application for the ACT may be obtained from The American College Test National Office, P.O. Box 168, Iowa City, Iowa 52243, 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 fifteen Minimum Course Requirements (MCR) of college preparatory courses:

- 4 units of English
- 4 units of math including:
  - 2 units of algebra
  - 1 unit of geometry or advanced math
  - 1 unit of math beyond algebra II
- 3 units of science including:
  - 1 unit of a life or biological science
  - 1 unit of a physical science
  - 1 unit of an additional lab science
- 2 units of social studies including:
  - 1 unit in U.S. history
  - 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** 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** may continue after March 1 on a case-by-case basis, based upon space availability and extenuating circumstances; however, students should meet all application deadlines. Decisions will be mailed on a rolling basis. Housing and tuition deposits should be submitted as soon after admission as possible in order to reserve a space and to have greater priority in the pre-registration and placement processes.

Spring

Application deadline: Nov. 15. Decisions mailed on a rolling basis until Dec. 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. Tuition and housing deposits should be submitted as soon after admission as possible in order to reserve a space and to have greater priority in the pre-registration and placement processes.

Spring

Application deadline is Nov. 15. 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 15. 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 on the basis of 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 which are 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 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 prior to each application deadline so 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 twelve and sixteen semester hours of college course work in the first semester of enrollment.
The ASP program features additional tutoring and small, clustered classes that are 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 into 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: in English, four course units emphasizing grammar, composition, and literature; in mathematics, four course units including algebra I, algebra II, and geometry, and a higher level mathematics course for which algebra II is a prerequisite; in science, three 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; in social studies, two course units including one unit in U.S. history; and in foreign language, two units of one language other than English. An applicant who does not have the unit in U.S. 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.

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 15 for summer terms. The deadline for spring is Nov. 15.

Admission decisions primarily will be based upon a transfer student's academic performance in college. Applicants should have earned a minimum higher education grade point average (GPA) of 2.00 (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**

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 whenever:

- 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 cease WCU enrollment for three or more consecutive terms (summer included), or
- 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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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. 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 ten 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). In order 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 advisers. Non-degree seeking students applying to live in university housing should indicate their status on the housing contract. Admission categories for special students are:

Special Students

Upon approval persons not seeking degrees, but wishing to take courses for personal enrichment or advancement may take up to eighteen 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 eighteen semester hours will have to 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). Persons interested in Middle Grades Education may apply to the Graduate Certificate Program that leads to an initial license in Middle Grades. Persons interested in Elementary Education may apply as second-degree seeking students and must complete all requirements for the initial license and major in elementary education. Persons 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.

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 which are 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.
Fee Information
Western Carolina University holds its charges to the minimum 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 2017 - 2018 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) in order 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 1st (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 nonrefundable housing deposit as soon as possible but no later than May 1st. First year students are required to live on campus. First year students living in Jackson, Macon, Haywood, and Swain Counties may apply for a Housing Waiver to live at home. 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 fully creditable to first semester housing charges.
After June 1, 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 on-line 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, they 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).

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

Tuition and Required Fees, NC:

UNDERGRADUATE-New $4860.50
UNDERGRADUATE-Fixed Tuition 2016-2017* $4821.50
GRADUATE $4945.50

Tuition and Required Fees, Out of State:

UNDERGRADUATE $10057.00
GRADUATE $10149.00

*For qualifying students, continuing students, the tuition charge will remain at the 2016-2017 level.

GRADUATE:

Cert. Registered Nurse Anesthetist-NC $7345.50
Cert. Registered Nurse Anesthetist, out of state $12549.00
Cert. Communication Sciences and Disorders-NC $5545.50
Cert. Communication Sciences and Disorders-out of state $10749.00
Business, NC $5395.50
Business, out of state $11049.00
Family Nurse Practice, NC $5245.50
Family Nurse Practice, out of state $10449.00

DOCTORATE:

Nursing Practice, NC $7345.50
Nursing Practice, out of state $12549.00
Physical Therapy, NC $5355.50
Physical Therapy, out of state $11599.50

Full Time Undergraduate Student

<table>
<thead>
<tr>
<th></th>
<th>In State-New</th>
<th>In State-Fixed*</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$1985.50</td>
<td>$1946.50</td>
<td>$7182.00</td>
</tr>
<tr>
<td>Required Fees**</td>
<td>$2728.00</td>
<td>$2728.00</td>
<td>$2728.00</td>
</tr>
<tr>
<td>Book Rental Fees</td>
<td>$147.00</td>
<td>$147.00</td>
<td>$147.00</td>
</tr>
<tr>
<td>Room (standard double)</td>
<td>$2308.00</td>
<td>$2308.00</td>
<td>$2308.00</td>
</tr>
<tr>
<td>Board (15 AYCE + 693 DB)</td>
<td>$1908.88</td>
<td>$1908.88</td>
<td>$1908.88</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$9077.38</td>
<td>$9038.38</td>
<td>$14273.88</td>
</tr>
</tbody>
</table>

* For qualifying, continuing students, the tuition charge will remain at the 2016-2017 level.

**Fees include $1265.00 for Health Insurance Fee. May be waived by verifying coverage at www.studentinsurance.com.

Part-time Student

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

<table>
<thead>
<tr>
<th>Hours Enrolled</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-State</td>
<td>Out-of-State</td>
</tr>
</tbody>
</table>

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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 eleven 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](http://tuition.wcu.edu).

**Additional Miscellaneous Fees**
Parking Permit-Freshman Resident $324.00  
Parking Permit-Sophomore Resident & Commuter $288.00  
Parking Permit-Junior Resident $252.00  
Parking Permit--Senior Resident & Graduate $174.00  
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  
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  

Recreational Center Debt Fee, $77.00; Transportation Fee, $59.00; University Center Debt Fee, $12.00; Dining facility debt fee, $56.50; Health Insurance, $1265.00 (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.**

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**Distance Learning Tuition and Fees**  
**Tuition and Fees per Semester Hour**

<table>
<thead>
<tr>
<th></th>
<th>In State-New</th>
<th>In State-Fixed*</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$ 154.26</td>
<td>$ 151.62</td>
<td>$ 505.37</td>
</tr>
</tbody>
</table>
Undergraduate-Emergency $ 177.91 $ 175.27 $ 529.02
Medical Care
Graduate $ 246.57 $ 756.72
Military See above $ 250.00

Fees for distance education include Education and Technology, Association of Student Government and Document and Campus Security Fees.

*For qualifying, continuing students, the tuition charge will remain at the 2016-2017 level.

Residence Halls

Standard Residence Hall

Single Room $3015.00
Double Room $2308.00

Reynolds Hall

Single Room $3186.00
Double Room $2496.00

Central Drive Hall

Single Room $3135.00
Double Room $2540.00

Balsam/Blue Ridge Halls

Single Room $3620.00
Double Room $3145.00

Robertson (Married Students only)

Double Room $2459.00

Madison Hall (Graduate Students only)

Single Room $3346.00
Double Room $2930.00

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<table>
<thead>
<tr>
<th>Dormitory</th>
<th>Room Type</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village</td>
<td></td>
<td>$2941.00</td>
</tr>
<tr>
<td>Norton Road Hall</td>
<td>Single Room</td>
<td>$3200.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$2963.00</td>
</tr>
<tr>
<td>Harrill Hall</td>
<td>Double Room</td>
<td>$2713.00</td>
</tr>
<tr>
<td>Scott Hall</td>
<td>Single Room</td>
<td>$3115.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$2400.00</td>
</tr>
<tr>
<td>Noble Hall</td>
<td>Single Room</td>
<td>$3510.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$2990.00</td>
</tr>
</tbody>
</table>

**Late Registration and Payment**

A student who registers 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% 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: http://www.wcu.edu/WebFiles/1516WCUTuitionBillStatement.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 2017-2018 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 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, Exchange Meals and 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 the picture is impaired may be confiscated. Lost or stolen cards must be reported immediately to the Cat Card office or to University Police in order 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 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 ($2273.75 per semester)**
Unlimited "All-you-care-to-eat" meals plus $330.63 declining balance points
(Available to all students)

**175 Block Plan ($2055.47 per semester)**
175 "All-you-care-to-eat" meals
+ $579.94 Declining Balance Points
(Available to all students)

**125 Block Plan ($1908.88 per semester)**
125 "All-you-care-to-eat" meals
+ $771.47 Declining Balance Points
(Available to all students)

**65 Block Plan ($1605.00 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 ($823.90 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**

**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. Students who withdraw from the university beginning the sixth day of classes are entitled to refunds of tuition and fees in accordance with the following schedule (with the exception of the non-refundable health insurance fee):

<table>
<thead>
<tr>
<th>Days Following</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 following the first day of classes</td>
<td>90 percent</td>
</tr>
<tr>
<td>12 to 28 calendar days following the first day of classes</td>
<td>50 percent</td>
</tr>
<tr>
<td>29 to 57 calendar days following the first day of classes</td>
<td>25 percent</td>
</tr>
<tr>
<td>58 calendar days following the first day of classes</td>
<td>0 percent</td>
</tr>
</tbody>
</table>

Students who withdraw from the university as a result 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. 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 having the declining balance meal plan will be refunded the actual account balance at the time of withdrawal. Students who reduce their course loads during the registration period for the semester as defined in this catalog 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 close of the registration period. However, students who drop all courses must withdraw from the university. They are, therefore, eligible only for the partial refunds that apply to university withdrawals.

Summer School Tuition and Fees
A student who withdraws from summer school before the first day of classes or during the first three days of class will be credited 100 percent of tuition and fees. Students who withdraw from the University beginning the fourth day of classes are eligible for credits through the first fifty percent of the summer session. The credit prorations for summer school are available from the Student Accounts Office. Summer school students who reduce their course loads by one or more semester hours within three days following regular registration 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.

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. These reasons are defined as: 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, or 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.

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.

**BOOK RENTAL POLICY EFFECTIVE FALL 2004**

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 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 to:

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 be helpful in understanding and implementing 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 rather than just for the purpose of maintaining a residence prior to enrollment at an institution of higher education.
Under North Carolina law, to qualify for in-state residency, you must show that you:

- have established your legal residence (domicile) in North Carolina, and
- have maintained that domicile for at least twelve (12) consecutive months before the beginning of the term, and
- have a residiency presence in the state, and
- 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 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 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 fifteen (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, e-mail address, and phone number.

Request for appeal of residency should be mailed to the following address:
Appeals to State Residency Board

The student has the right appeal on campus. If denied the local campus appeal information will be sent to the student 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 3 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: http://www.wcu.edu/learn/academic-services/military-student-services/AdditionalResources.asp.

Financial Aid

To qualify for the in-state tuition under the Veterans Choice Act, the student must start school within 3 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: 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 on the basis of 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). This must be submitted as soon as possible after October 1 of each year the student will attend. The FAFSA can be accessed online at www.fafsa.gov. Western Carolina University should be listed as a recipient of the information by using school code 002981. The application should be completed as accurately as possible and 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 according to the following criteria:

- All undergraduate students must complete 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% 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. This allows for double majors or change of majors.

Notification of Awards
Notification of awards, beginning with completed applications for aid received prior to February 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 3 work-study.

Grants and Scholarships

Grants
Eligibility for federal, state and institutional grants is based on financial need as 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 grant eligibility.

UNC Campus Scholarship
The UNC Campus Scholarship awards grant funds in support of advancing 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/.

In order 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. In order 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 in order 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: http://studentaid.ed.gov/sa/types/loans/federal-vs-private.

**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 of time; and be of, or close to, working age. Further information can be obtained from local Vocational Rehabilitation offices.

**North Carolina Veterans Affairs**


**Scholarships**

**Applying for Scholarships**

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 list of these scholarships, please visit scholarships.wcu.edu.
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Academic Regulations

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.

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. Each student is expected to know the information in the catalog and to verify that qualitative and quantitative requirements for a particular class rank and for proper progress toward graduation are being met. All students should check official records, degree audit and transcript 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 prior to the beginning of each semester at dates/times announced by the University Registrar. As a general rule, registration will be permitted at the same level and classification provided:

- 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), and
- the student has been advised and given a registration PIN if this is required for the student's program or status.

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 is announced in the academic calendar and strictly enforced. A late registration fee will be charged.

Post-Graduation Registration. Students who complete an undergraduate degree and graduate who wish to continue their enrollment at the undergraduate level following graduation will be permitted to do so provided their resumed enrollment is not interrupted for more than three consecutive semesters. 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 student should have achieved to enroll in the course. Some course numbers within the numbering system are reserved for special use.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-100</td>
<td>Noncredit courses which are not applicable to degrees</td>
</tr>
<tr>
<td>101-199</td>
<td>Courses for freshmen</td>
</tr>
<tr>
<td>190-199</td>
<td>First-Year Seminar courses</td>
</tr>
<tr>
<td>200-299</td>
<td>Courses for sophomores</td>
</tr>
<tr>
<td>300-399</td>
<td>Courses for juniors</td>
</tr>
<tr>
<td>400-499</td>
<td>Courses for seniors</td>
</tr>
<tr>
<td>500-799</td>
<td>Masters-level courses</td>
</tr>
<tr>
<td>800-999</td>
<td>Doctoral-level courses</td>
</tr>
</tbody>
</table>
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>
</tr>
</thead>
<tbody>
<tr>
<td>C1 Writing</td>
<td>P1 Social Sciences</td>
</tr>
<tr>
<td>C2 Mathematics</td>
<td>C5 Physical and Biological Sciences</td>
</tr>
<tr>
<td>C3 Oral Communication</td>
<td>P3 History</td>
</tr>
<tr>
<td>C4 Wellness</td>
<td>P4 Humanities</td>
</tr>
<tr>
<td></td>
<td>P5 Fine and Performing Arts</td>
</tr>
<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 once for a total maximum of 6 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 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 adviser. 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 course can be taught 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 course 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>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
<td>School of Accounting, Finance, Information Systems and Business Law</td>
</tr>
<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>Anthropology and Sociology</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
<td>School of Art and Design</td>
</tr>
<tr>
<td>ASI</td>
<td>Arts and Sciences Interdisciplinary</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>AST</td>
<td>Astronomy</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>ATTR</td>
<td>Athletic Training Sports Medicine</td>
<td>School of Health Sciences</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Code</th>
<th>Department</th>
<th>School/College/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>Business Administration</td>
<td>School of Economics, Management and Project Management</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>BK</td>
<td>Birth-Kindergarten</td>
<td>Human Services</td>
</tr>
<tr>
<td>BKSE</td>
<td>Birth-Kindergarten / Special Ed</td>
<td>Human Services</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>CHER</td>
<td>Cherokee</td>
<td>World Languages</td>
</tr>
<tr>
<td>CHIN</td>
<td>Chinese</td>
<td>World Languages</td>
</tr>
<tr>
<td>CIS</td>
<td>Computer Information Systems</td>
<td>School of Accounting, Finance, Information Systems and Business Law</td>
</tr>
<tr>
<td>CJ</td>
<td>Criminal Justice</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td>CM</td>
<td>Construction Management</td>
<td>Kimmel School of Construction Management and Technology</td>
</tr>
<tr>
<td>COMM</td>
<td>Communication</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>COUN</td>
<td>Counseling</td>
<td>Human Services</td>
</tr>
<tr>
<td>CS</td>
<td>Computer Science</td>
<td>Mathematics and Computer Science</td>
</tr>
<tr>
<td>CSD</td>
<td>Communication Sciences and Disorders</td>
<td>College of Health and Human Sciences</td>
</tr>
<tr>
<td>DA</td>
<td>Dance</td>
<td>School of Stage and Screen</td>
</tr>
<tr>
<td>ECET</td>
<td>Electrical and Computer</td>
<td>Engineering and Technology</td>
</tr>
<tr>
<td></td>
<td>Engineering Technology</td>
<td></td>
</tr>
<tr>
<td>ECON</td>
<td>Economics</td>
<td>School of Economics, Management and Project Management</td>
</tr>
<tr>
<td>EDCI</td>
<td>Curriculum and Instruction</td>
<td>Human Services</td>
</tr>
<tr>
<td>EDEL</td>
<td>Elementary Education</td>
<td>School of Teaching and Learning</td>
</tr>
<tr>
<td>EDHE</td>
<td>Higher Education</td>
<td>Human Services</td>
</tr>
<tr>
<td>EDL</td>
<td>Educational Leadership</td>
<td>Human Services</td>
</tr>
<tr>
<td>EDM</td>
<td>Emergency and Disaster</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td></td>
<td>Management</td>
<td></td>
</tr>
<tr>
<td>EDMG</td>
<td>Middle Grades Education</td>
<td>School of Teaching and Learning</td>
</tr>
<tr>
<td>EDPY</td>
<td>Education and Psychology</td>
<td>School of Teaching and Learning</td>
</tr>
<tr>
<td>EDRD</td>
<td>Reading</td>
<td>School of Teaching and Learning</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Code</th>
<th>Program</th>
<th>College/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSE</td>
<td>Secondary Education and Special Subject Teaching</td>
<td>School of Teaching and Learning</td>
</tr>
<tr>
<td>EDSU</td>
<td>Educational Supervision</td>
<td>Human Services</td>
</tr>
<tr>
<td>EDRS</td>
<td>Educational Research</td>
<td>Psychology</td>
</tr>
<tr>
<td>EE</td>
<td>Electrical Engineering</td>
<td>Engineering and Technology</td>
</tr>
<tr>
<td>ELMG</td>
<td>Elementary and Middle Grades Education</td>
<td>School of Teaching and Learning</td>
</tr>
<tr>
<td>EMC</td>
<td>Emergency Medical Care</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>ENGL</td>
<td>English</td>
<td>College of Arts and Sciences</td>
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<tr>
<td>ENGR</td>
<td>Engineering</td>
<td>Engineering and Technology</td>
</tr>
<tr>
<td>ENT</td>
<td>Entrepreneurship</td>
<td>School of Entrepreneurship, Hospitality &amp; Tourism, Marketing and Sport Mgt</td>
</tr>
<tr>
<td>ENVH</td>
<td>Environmental Health</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>ES</td>
<td>Environmental Sciences</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>ESI</td>
<td>Earth Sciences</td>
<td>Geosciences and Natural Resources</td>
</tr>
<tr>
<td>ET</td>
<td>Engineering Technology</td>
<td>Engineering and Technology</td>
</tr>
<tr>
<td>FIN</td>
<td>Finance</td>
<td>School of Accounting, Finance, Information Systems and Business Law</td>
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<tr>
<td>FS</td>
<td>Forensic Science</td>
<td>Chemistry and Physics</td>
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<tr>
<td>FOR</td>
<td>Forestry</td>
<td>Geosciences and Natural Resources</td>
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<td>FREN</td>
<td>French</td>
<td>World Languages</td>
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<tr>
<td>FTP</td>
<td>Film and Television Production</td>
<td>School of Stage and Screen</td>
</tr>
<tr>
<td>GEOG</td>
<td>Geography</td>
<td>Geosciences and Natural Resources</td>
</tr>
<tr>
<td>GEOL</td>
<td>Geology</td>
<td>Geosciences and Natural Resources</td>
</tr>
<tr>
<td>GER</td>
<td>German</td>
<td>World Languages</td>
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<td>GERN</td>
<td>Gerontology</td>
<td>College of Health and Human Sciences</td>
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<td>Health Education</td>
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<td>HESA</td>
<td>Health Education in Student Affairs</td>
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<td>History</td>
<td>College of Arts and Sciences</td>
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<td>School or College</td>
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<td>HPE</td>
<td>Health and Physical Education</td>
<td>School of Teaching and Learning</td>
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<td>School of Health Sciences</td>
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<td>Hospitality and Tourism</td>
<td>School of Entrepreneurship, Hospitality &amp; Tourism, Marketing and Sport Mgt</td>
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<td>IBUS</td>
<td>International Business</td>
<td>School of Economics, Management and Project Management</td>
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<td>Industrial Distribution</td>
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<td>Interior Design</td>
<td>School of Art and Design</td>
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<td>International Studies</td>
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<tr>
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<tr>
<td>LAW</td>
<td>Business Law</td>
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<tr>
<td>LEAD</td>
<td>Leadership</td>
<td>Human Services</td>
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<tr>
<td>MATH</td>
<td>Mathematics</td>
<td>Mathematics and Computer Science</td>
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<td>ME</td>
<td>Manufacturing Engineering</td>
<td>Engineering and Technology</td>
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<tr>
<td>MGT</td>
<td>Management</td>
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<td>MKT</td>
<td>Marketing</td>
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<td>Music</td>
<td>School of Music</td>
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<tr>
<td>NAS</td>
<td>Native American Studies</td>
<td>College of Health and Human Sciences</td>
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<tr>
<td>ND</td>
<td>Nutrition and Dietetics</td>
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</tr>
<tr>
<td>NRM</td>
<td>Natural Resources Management</td>
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<td>Philosophy and Religion</td>
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<td>School of Teaching and Learning</td>
</tr>
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<td>Physics</td>
<td>Chemistry and Physics</td>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Program Name</th>
<th>School of Economics, Management and Project Management</th>
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</thead>
<tbody>
<tr>
<td>PM</td>
<td>Project Management</td>
<td>School of Economics, Management and Project Management</td>
</tr>
<tr>
<td>PMC</td>
<td>Project Management Certificate</td>
<td>School of Economics, Management and Project Management</td>
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<tr>
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<td>PSC</td>
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<td>Political Science and Public Affairs</td>
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<tr>
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<td>PT</td>
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<td>School of Economics, Management and Project Management</td>
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<td>RTH</td>
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<td>Chemistry and Physics</td>
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<td>Biology; Chemistry and Physics; Geosciences; Natural Resources</td>
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<td>SM</td>
<td>Sport Management</td>
<td>School of Entrepreneurship, Hospitality &amp; Tourism, Marketing and Sport Mgt</td>
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<td>Theatre Arts</td>
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<td>University Studies, Interdisciplinary</td>
<td>Academic Affairs</td>
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<tr>
<td>WLL</td>
<td>World Languages and Literatures</td>
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**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, practica, clinical or studio, etc.

**Course Load for Undergraduates**

The minimum full-time course load during a fall or spring semester is twelve hours. A normal load is sixteen hours; however, a student may take up to eighteen hours. Any schedule that exceeds eighteen hours constitutes an overload and must be approved by the student's adviser 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:

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

**Grading and Quality Point System***

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
<th>Quality Points per Semester Hour</th>
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<td></td>
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</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 there is a reasonable prospect that the student can pass the course by making up the work missed if the incompletion 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-, 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 courses. There is no limit on the credit hours a student may earn in S/U grades except that imposed by the types of courses approved for such 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 assigned in these courses. Neither grade 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 adviser, the instructor, and the head of the department offering the course. A completed course audit form must be submitted in order to enroll. 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 with the instructor. Tuition and fees for audited courses are determined by the hour value of the courses.

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 thirty-five 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
A student may find it necessary or advisable to withdraw from one or more courses during a term. In some cases, he/she may find it necessary to withdraw from the university.

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

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 Withdraw-Failing (WF) which will affect the semester and cumulative GPA as if it were an F.

Term and University Withdrawals
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 continue. 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. In the event of a University withdrawal, the student will receive a grade of "W" ("Withdrawn") for all courses in which the student was 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.

A student may not use this policy for courses in which penalty grades were assigned as a result of academic misconduct. In all cases, the withdrawal date is noted on the student's permanent record.

After the Withdrawal Deadline. There are three exceptions to the University withdrawal policy that 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

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. A designated physician or her or his designee at Western Carolina University Student Health Services reviews all medical withdrawals and evaluates the medical documentation. Medical withdrawals are of two types:

Regular medical withdrawal (withdrawal for current semester):

- Requires medical documentation from a private physician, psychiatrist, psychologist, or therapist. If the student has not been seen at Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services, appropriate medical records from an outside provider are required.
- Requires documentation from outside providers to a designated Western Carolina University physician or counselor. Documentation may be by mail, by fax, or hand-delivered, but it must be in writing. This documentation must specifically recommend withdrawal and 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):

- Requires medical documentation from a private physician, psychiatrist, psychologist, or therapist. If the student has not been seen at Western Carolina University Student Health Services or Western Carolina University Counseling and Psychological Services documentation for the previous term from a physician, psychologist, or counselor who treated the student is required.
- Requires documentation from outside providers to a designated Western Carolina University physician or counselor. Documentation may be 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 from individual courses for medical reasons. This includes courses in which penalty grades were assigned as a result of academic misconduct. A request to withdraw from a course or to reduce your academic load is not a University medical withdrawal.
- Students who wish to withdraw from fewer than all of their current classes for medical reasons may appeal to the dean of the division in which the course/s is/are being offered. In these cases, the student must provide documentation to the dean regarding the medical problem treated at Western Carolina University
Student Health Services or Counseling and Psychological Services. If treatment has not occurred at the Western Carolina University Student Health Center, documentation from the outside provider will be required.

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: When a student is called to active military service during an academic term, he or she 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").

If a student decides to enlist in the military, he/she will be subject to the regular withdrawal process.

**Extenuating Circumstance Withdrawals**

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**

1. **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 herein. 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 are required to report first-week and second-week attendance through MyWCU on all students prior to census day. The Registrar's Office will distribute deadlines and instructions for reporting first- and second-week attendance in a timely manner. Instructors are required to report 'last day of attendance' on the final grade roster if a final grade other than a passing grade is submitted.

A student with more unexcused absences than the credit hours given for a course can expect the instructor to lower his/her final grade, especially in a 100-(first year) or 200-(sophomore) level course. Missing approximately 10% of class meeting times (e.g., 4-5 MWF classes, 3 TR classes, or 1 laboratory or a class that meets once per week) or more, results in the loss of a significant amount of class work and experience that is very difficult, if not 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 including 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) and, in addition, student engagement sponsored by the institution and approved by the Provost (e.g., research presentations and performances at national conferences or events).

An instructor is expected to honor a valid university sponsored absence if the student notifies him or her of the approved absence at least one week prior to 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 satisfactory arrangements that the instructor deems appropriate 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 there is sufficient time for a student to drop the course.

A student who anticipates missing a large number of classes (i.e., 10% or more of class time) is 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 a large number of absences.

The trip or activity sponsor must obtain written permission to travel from the appropriate entity as soon as possible and give each student a copy of the approved request. Each student must provide the request to instructors of their other courses as soon as possible, but ideally at least one week prior to 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

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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 prior to 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 (5th day of semester). For courses in sessions other than the full semester (i.e., 8-week, and summer session courses), instructors may request a drop for non-attendance prior to the 5th day of the session.

Although instructors may drop students for non-attendance, students should not assume that this will occur. Students are responsible for dropping a course, 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, a student 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 prior to the end of the drop/add period in case the absence will unavoidably keep the student from completing the requirements of the course. However, if the student completes the form and submits it to the instructor prior to the two-week time frame, he/she shall be given the opportunity to make up any tests or other work missed due to an excused absence for a required 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 to avoid registering for courses that will significantly and substantially impact their academic learning by missing a significant number of the class meetings.
If a student seeks to be excused from class for Guard or Reserve duty, he/she is encouraged to provide a copy of orders or a letter from the unit command to the course instructor and inquire 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 or not students are allowed to make up missed assignments or tests relies upon faculty discretion.

If called to active military service during an academic term, a student may request Military Deployment Withdrawal initiated through the University Advising Center.

**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. In order 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, by the dean of the college, 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, a request to have an examination rescheduled must be made in writing at least five days before the examination is scheduled.

To reschedule, the following steps should be taken:

1. The student should request in writing a change in date from the instructors of the courses that present the conflict.
2. If the conflict is not resolved, the student should work with his/her academic adviser to have one of the exams rescheduled.
3. If the conflict still cannot be resolved, the student 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 prior to 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 their final semester 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 the 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 in charge of that step of the process.

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 in the event of the reasonable need of either party for additional time to gather information timelines may be extended at the discretion of the appropriate academic Dean.

I. 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.

II. 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 (e.g. allowing another person to copy information during an examination).

III. 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, s/he will inform his/her 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, the instructor will inform the student of his/her right to request a meeting with the instructor. During the meeting, the instructor shall complete the Academic Integrity Violation Faculty Resolution Form. If the student does not submit a written request for a meeting with the instructor within five (5) business days of receipt of the written allegation(s), the student 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 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. If the student elects to file an appeal of the decision of the Academic Integrity Board, s/he 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 and Procedural Standards by the UNC Board of Governors (as set forth in the UNC Manual 700.4.1).

9. If an appeal is heard by an academic Dean, s/he 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.

IV. Academic Integrity Board:

The Academic Integrity Board shall consist of a minimum of two 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 prior to 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.

V. 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.
VI. 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.

VII. 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 - January 1, 2015

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 make arrangements 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 decision is in agreement with the students' requests, the appropriate records will be amended. If not, the students will be notified within a reasonable period of 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 another school official in performing his or her 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.
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, prior to making a decision to withhold personally-identifiable data, that undesirable consequences frequently occur, such as names of students on the Deans' List are not published, names are not listed in commencement bulletins, and requests from prospective employers are 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 the student has given a proper consent for disclosure or 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 4-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 twelve 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 twelve hours, excluding remedial courses, with no grade of D+, D, D-, F, or I.

Graduation with Honors
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 in order to graduate with honors.

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, except for courses taken with permission at other institutions as transients, 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. With the appropriate GPA, a student 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 is defined as either: 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 the student's cumulative Western Carolina University grade point average (GPA) falls below 2.0 or if the student fails to complete 67% of their attempted hours in their two most recently completed terms of enrollment or if the student fails to complete 67% of their overall WCU attempted hours. Cumulative GPA, semester and overall completion rate is 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 the following to regain good academic standing:

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

- Earn a 67% completion rate on the hours attempted for the semester, and
- Earn an overall 67% completion rate on all WCU hours attempted, and
- 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 who are 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 not eligible to continue enrollment in the University for one term. 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 (excluding 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, and
- 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. A student whose appeal for reinstatement is approved will be designated as "Suspended/Reinstated" on his or her 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**

A student (undergraduate or graduate) has the right to appeal a final assigned grade or dismissal from a program level. A student may only appeal a final grade or program dismissal if he/she can show the grade or program dismissal was assigned *arbitrarily or impermissibly*. A student who wishes to appeal a grade on a particular assignment or exam can do so if it affects their final assigned grade or 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 that:

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 his or her professional academic judgment in the evaluation of the academic performance of the student; or
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; or
3. The final grade or program dismissal was the result of a clear and material mistake in calculating or recording grades or other evaluation.
4. Individual elements (e.g., 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 of the following conditions are met: a) The student presents compelling evidence that one or more individual elements were graded on arbitrary or impermissible grounds; b) Grounds can be established for determining a professionally sound grade for the appealed element(s); and c) 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 to continue taking courses until the appeal is resolved (with the approval of the program in which the classes are taken), 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)

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 prior to 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: a) a statement of the reason(s) why the student believes the grade was impermissibly or arbitrarily assigned (see policy Academic Action Appeal Policy) b) 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 ten working days after receiving the student's written appeal). This response should detail whether or not 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: a) a statement of the reason(s) the student believes the grade was impermissibly or arbitrarily assigned; b) the steps taken to resolve the disagreement over the assigned course grade; and c) the resolution sought.
The appeal must be accompanied by 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 ten working days of receiving this appeal, the department head will attempt to resolve the appeal. If the department head is unable to resolve the appeal within ten working days, 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, the student should forward (to the associate dean of the academic college) his/her 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 and aforementioned materials 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 ten 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 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 ten 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 take into consideration 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 ten 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 or not 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 implementation of some process to re-evaluate the student's work.

(Step 5) Review by the Dean: Within ten 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. She/He 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.

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 has occurred, and/or a student's exercise of rights guaranteed by the First Amendment has been violated. If the student feels one of these conditions applies, s/he must file a written appeal to the Provost explaining the situation that warrants this level of appeal. The Provost shall provide his/her written decision to the student within ten calendar days of receipt of the appeal. No appeal is available beyond the Provost.

Substitution Provisions: In the event that 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. In the event that 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 insufficient 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 prior to 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: a) a statement of the reason(s) why the student believes the dismissal was impermissibly or arbitrarily assigned (see policy Academic Action Appeal Policy); b) 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 ten working days after receiving the student's written appeal). This response should detail whether or not 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: a) a statement of the reason(s) the student believes the dismissal was impermissibly or arbitrarily assigned; b) the steps taken to resolve the disagreement over the dismissal; and c) the resolution sought. The appeal must be accompanied by 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 ten working days of receiving this appeal, the department head will attempt to resolve the appeal. If the department head is unable to resolve the appeal within ten working days, 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): If appealing to the academic college, the student should forward (to the associate dean of the academic college) his/her 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 ten 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 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 ten 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 ten 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 or not 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 ten 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. S/he will then communicate the final action in writing to the student, faculty member, department head, and the dean of the Graduate School.

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 has occurred, and/or a student's exercise of rights guaranteed by the First Amendment has been violated. If the student feels one of these conditions applies, she/he must file a written appeal to the Provost explaining the situation that warrants this level of appeal. The Provost shall provide his/her written decision to the student within ten calendar days of receipt of the appeal. No right of appeal is available beyond the Provost.

Substitution Provisions: In the event that 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. In the event that 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, he/she 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 fifty 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 twelve or more hours of work for each of two successive semesters, one of which may be summer school. At least eighteen 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, and 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.

A student, having elected to have the two-year rule applied or not applied, may not reverse the option later. Applications for the two-year rule may be obtained from the Advising Center and submitted to that office prior to the initial term of re-enrollment.

Transfer Credit and Placement Policy

Evaluation of transfer, CLEP, and advanced placement 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 which 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 will be allowed toward graduation or toward fulfillment of major requirements for a course passed with a C- or less at another institution. 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 a student who enrolls at a NCCC institution fall 1997 or later, and completes his/her 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 upon completion of 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 the student's baccalaureate degree at a UNC institution provided that the student remains within his/her major.

Credit may be transferred from a technical program of a two-year institution and applied toward an appropriate bachelor's degree if the institution is regionally accredited. A minimum of twenty-five 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 twelve 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 thirty hours of credit may be allowed toward graduation for freshman and sophomore courses completed at other institutions which 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 should consider auditing the prerequisite courses if no work has been attempted in the field within the past five years.

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 the departments. Students must be in good standing and eligible to re-enroll at Western Carolina University to secure transient permission. Course work taken at an institution which 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 on the basis of 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 in order 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 thirty 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 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. Students may become eligible to enter intermediate or advanced courses in a field, bypassing one or more lower-level courses, if they qualify on the basis of their performance on advanced placement tests.

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.

Advanced Placement Program. Students who earn a grade of three or above on the College Board advanced placement courses are eligible to receive credit based upon the evaluations 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.

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 prior to 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. 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 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 and 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. In order 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.


**Academic Services**

**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, as well as 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 & 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.

**Academic Success Centers**

The academic success centers at the university consist of the University Writing Center, the Mathematics Tutoring Center, the Student Technology Assistance Center, and the Catamount Academic Tutoring (CAT) Center. Services are available during fall, spring, and summer semesters and are offered to students without charge.

**University Writing Center**

Graduate assistants collaborate with students of all class levels and majors on their writing assignments, including but not limited to annotated bibliographies, abstracts, essays, critiques, research papers, creative writing projects, political science portfolio writing samples, and business management portfolios.

Always beginning with writers' ideas, graduate tutors help writers with brainstorming, prewriting, drafting, and revising. By offering writers workable strategies, tutors move clients toward increased competence and confidence. In addition to one-on-one collaborative help, the center offers numerous handouts, called mini-courses, tailored to specific academic writing needs. Visit the Web site at http://www.wcu.edu/learn/academic-success/writing-and-learning-commons-walc/index.asp for hours, writing resources, distance education resources, staff information, and helpful links. To make an appointment, call 828-227-7197. Visit the center in Hunter 161.

**Mathematics Tutoring Center**

The Mathematics Tutoring Center provides tutoring in all lower-division mathematics courses and computer science classes, and can assist with mathematical content in courses outside the Mathematics and Computer Science Department. Student peer tutors and graduate assistants are available on a drop-in basis to provide assistance with homework, review concepts, help with math study skills and exam preparation, and answer questions about math courses. Individual, regularly scheduled tutoring appointments can be arranged. The Center offers workshops on strategies for success in the study of mathematics, use of graphing calculators, and has a library of supplementary textbooks for student use. Visit the center web site at http://www.wcu.edu/learn/departments-schools-
Student Technology Assistance Center
The Student Technology Assistance Center offers assistance to students based on their individual needs. Students needing help with word processing, spreadsheets, databases, electronic presentations, campus network tools (such as WIN, MyWCU (student portal), VAX/VMS, etc.), or the Internet (such as web browsers, web page design assistance, newsgroups, e-mail, chat, etc.), can stop by or call for an appointment. Although appointments are not required, they can be beneficial for the student by ensuring one-on-one appointment time. Check the Web site at http://www.wcu.edu/techassist/ for more information and for dates and times of workshops.

Catamount Academic Tutoring Center
The Catamount Academic Tutoring Center is designed to ensure the academic success of all Western Carolina University students by offering free peer tutoring, workshops, and other resources to improve learning. Trained peer tutors facilitate small-group sessions for most 100 and 200-level classes. Tutors offer strategies for effective study and efficient time management, and they facilitate collaborative groups in which each student is involved with actively exploring and learning the material. Visit the CAT Center website (http://www.wcu.edu/catcenter) or call 828-227-2274 to schedule a tutoring session or to learn more about workshop offerings in areas such as Time Management, Note Taking, Goal Setting, and Exam Preparation.

The 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.
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>A&amp;S B.S.</td>
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<td>A&amp;S B.F.A.</td>
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<td>Communication Sciences and Disorders</td>
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<td>Criminal Justice</td>
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Electrical and Computer Engineering Technology  E&T  B.S.
Electrical Engineering  E&T  B.S.E.E.
Elementary Education  E&AP  B.S.Ed.
Emergency and Disaster Management  HHS  B.S.
Emergency Medical Care  HHS  B.S.
Engineering  E&T  B.S.E.
Engineering (Mechanical, Electrical Power, and Manufacturing Concentrations)  E&T  B.S.E.
Engineering Technology  E&T  B.S.
English  A&S  B.A.
E&AP  B.S.Ed.
Innovation Leadership and Entrepreneurship  BUS  B.S.B.A.
Entrepreneurship  BUS  B.S.
Environmental Health  HHS  B.S.
Environmental Sciences  A&S  B.S.
Finance  BUS  B.S.B.A.
Forensic Science  A&S  B.S.
Geology  A&S  B.S.
Health and Physical Education  E&AP  B.S.Ed.
Health Information Administration  HHS  B.S.
History  A&S  B.A.
A&S  B.S.
Hospitality Tourism Management  BUS  B.S.
Interior Design  FPA  B.S.
International Studies  A&S  B.A.
Management  BUS  B.S.B.A.
Marketing  BUS  B.S.B.A.
Mathematics  A&S  B.S.
E&AP  B.S.Ed.
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<td>Parks and Recreation Management</td>
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<td>E&amp;AP</td>
<td>B.S.Ed.</td>
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<td>Special Education (General)</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 twelve 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 if you are completing transfer work in your final semester, you should have completed a transient permission form and submitted this form to the Office of the Registrar for approval.
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: 1 the liberal studies program; 2 a major as prescribed by each of the departments; and 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 a 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

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

- The Provost or designee will communicate with the family to determine the optimal manner in which to confer the Posthumous Degree or Certificate of Achievement (in person or by mail).
- 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 his/her discretion, even in the event 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 required to complete a minor.

A student may not major and minor in the same field.

**Second Academic Concentration.** A second academic concentration is an eighteen hour course of study in an academic discipline required of education students enrolled in a B.S.Ed. 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 twelve hours of general (free) electives. These electives are exclusive of 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, and 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 Advisers.** Students enter the university undeclared and are advised by a
professional adviser. Upon declaring a major, students are advised by a faculty adviser 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 must declare a major prior to completion of forty-five (45) credit hours.
Transfer students with forty-five (45) or more credit hours must declare a major prior to
registration 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/Adviser Procedure.** A student who decides to declare
or change a major must complete the declaration process in order to be assigned a new
adviser in the appropriate department and to change the official records of the university.
The student secures the declaration form from the present adviser 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 that is 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:

**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 adviser and appropriate faculty adviser(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) which 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 adviser (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 to complete the Interdisciplinary Studies program, in place of a recognized major, plus a minor, second major, or approved program (as needed). It should include a plan for some kind of 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 pay particular attention to the assessment component(s) of the proposed program and will approve or disapprove 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 and financial aid, grants, and scholarships are 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 the students are preparing. 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 and Practicums.** 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 the 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 range from one to six semester hours as determined by the department. Students must be juniors or seniors in order 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 sixty (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. A prospective ABM student that meets the eligibility requirements above should schedule a meeting with her/his undergraduate and graduate program directors to develop a tentative plan of study for her/his 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. 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. 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. 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. It is the responsibility of the student to recognize her/his eligibility requirements.
2. If a student completes the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000, then she/he needs 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. If a student becomes ineligible to participate in the ABM track, the program director must inform the student in writing of her/his 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 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.
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 adviser and appropriate faculty adviser(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) which offer(s) the courses in the approved program.

Special Studies Programs

A Special Studies Program is an interdisciplinary program to take 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.

A Special Studies Program is developed by the student in consultation with an academic adviser in one of the primary departments and in consultation with advisers/faculty from all involved departments.

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 to complete the Special Studies program, in place of a recognized major, plus a minor, second major, or approved program (as needed). It should include a plan for some kind of senior project, capstone course, or final assessment component.

The Special Studies Program will be approved by all involved department heads, the curriculum committees of all involved colleges, and the University-Wide Curriculum Committee. The University Curriculum Committee should pay particular attention to the assessment component(s) of the proposed program and will approve or disapprove the special studies program.

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 and financial aid, grants, and scholarships are available. For more information call (828) 227-7494.

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Cooperative Program in Agriculture and Life Sciences
Students who complete a two-year prescribed course of study at Western Carolina University have the opportunity to transfer to North Carolina State University in one of the following bachelor's degree programs in the School of Agriculture and Life Sciences:

Agricultural economics, agricultural business management, agronomy, animal science, biological and agricultural engineering, biochemistry, biological sciences, botany, conservation, fisheries and wildlife sciences, food science, horticultural science, medical technology, pest management, poultry science, applied sociology, zoology, and selected pre-professional programs. For further information, contact the department head in the geosciences and natural resources management department.

Cooperative Program in Forestry
By agreement between Western Carolina University and the School of Forest Resources at North Carolina State University, a student interested in the field of forest resources may take the first two years of the program at Western Carolina University and the remainder at North Carolina State University. For further information, contact the department head in the geosciences and natural resources management department.

During the freshman year, students should select one of four specialty areas of the program: 1 forestry; 2 wood science and technology; 3 pulp and paper science and technology; 4 recreation resources administration. The courses to be pursued for each area are available from the department head in the geosciences and natural resources management department.

Students with acceptable scholastic records in the first two years of the program may earn the professional degree in two additional years. Before transferring, students should check their credits with the requirements of North Carolina State University to determine the advisability of completing additional courses in summer school at one of the two institutions. A GPA of 2.5 is required for transfer.

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 the students are preparing. 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.

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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. A prospective ABM student that meets the eligibility requirements above should schedule a meeting with her/his undergraduate and graduate program directors to develop a tentative plan of study for her/his 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. 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. It is the responsibility of the student to recognize her/his eligibility requirements.

2. If a student completes the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000, then she/he needs 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. If a student becomes ineligible to participate in the ABM track, the program director must inform the student in writing of her/his 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 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.
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

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)
A. The two courses taken to meet the C5 requirement must be from two different disciplines.
B. Other 100-200 level science courses from AST, BIOL, CHEM, ENVH, GEOL, NRM, and PHYS (with the exceptions of BIOL 132, ENVH 200, ENVH 210, ENVH 300, CHEM 241, 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
- 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)

a. Students with 0-15 credit hours are required to take this course.
b. 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.
c. Students with 30 or more transfer credit hours are not eligible to take First-Year Seminar.
d. Grading for the First-Year Seminar is A, B, C, I (Incomplete), or U (Unsatisfactory).
e. 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.

- ACCT 195 - Introduction to Fraud Examination Credits: 3
- ANTH 190 - Freshman Seminar: The Human Condition Credits: 3
- ART 191 - Integral Arts 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
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
SOC 190 - Freshman Seminar: Social Institutions and Issues Credits: 3
SPAN 190 - Celluloid and Paper Dreams: Hispanic Literature and Film Credits: 3
THEA 191 - Integral Arts Credits: 3

The Perspectives (18 hours)

*Includes Upper-Level Courses*

**One of the perspectives categories must be met with an upper level perspective course.**

**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)
- GEOG 101 - Population Geography Credits: 3
- 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)
- PAR 313 - Philosophy of Law Credits: 3
  (Upper-Level Course)
- PAR 315 - Philosophy of Mind 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)
- 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 221 - The Birth of Europe: 312-1517 Credits: 3
- HIST 222 - European History Since 1517 Credits: 3
- HIST 231 - American History to 1865 Credits: 3
- HIST 232 - American History Since 1865 Credits: 3
- 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 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 341 - North Carolina History Credits: 3 (Upper-Level Course)
- HIST 361 - Latin American History I Credits: 3 (Upper-Level Course)
- HIST 362 - Latin American History II 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)
- PAR 146 - Western Religious Traditions Credits: 3
- PAR 250 - Origins of Early Christian Traditions Credits: 3
- PAR 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith Credits: 3 (Upper-Level Course)
- PAR 366 - Religion and Science Credits: 3 (Upper-Level Course)

P4. Humanities (3 hours)
- CS 210 - Internet Security and Ethics Credits: 3
- 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 231 - The Interpretation of 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
• 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 357 - Appalachian Literature Credits: 3
(Upper-Level Course)
• ENGL 368 - Film Genres Credits: 3, R6
(Upper-Level Course)
• ENGL 350 - The Bible as Literature Credits: 3
(Upper-Level Course)
• HIST 171 - Religion in America Credits: 3
• HIST 175 - Native American Civilizations Credits: 3
• HIST 181 - Religion in Europe Credits: 3
• HIST 182 - The Ancient Empires 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 201 - Philosophy of Sex and Love Credits: 3
• PAR 230 - Legal, Scientific, & Critical Reasoning 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 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 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
• IDES 250 - Introduction to Interior Design Credits: 3
• FTP 340 - Filmmakers on Filmmaking Credits: 3
(Upper-Level Course)
• MUS 101 - Music Appreciation Credits: 3
• MUS 102 - Music in American Culture Credits: 3
• 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 271 - Theatre in Education Workshop I Credits: 3
• THEA 310 - World Theatre Credits: 3
(Upper-Level Course)

P6. World Cultures (3 hours)
(Satisfied if student passes MFL 101, 102, 110, 231, 232, 240, or 301) Only three of the six credit hours earned in FREN, GER, SPAN 110 apply to P6 category.

• ANTH 120 - Comparative Cultural Systems Credits: 3
• ART 402 - Asian Art and Visual Culture 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 204 - The Literature of Culture Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
(Upper-Level Course)
• 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 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 353 - Religion in Film **Credits:** 3  
  *(Upper-Level Course)*
- PAR 354 - Religion, Suffering, and the Moral Imagination **Credits:** 3  
  *(Upper-Level Course)*
- PAR 367 - Native American Religions **Credits:** 3  
  *(Upper-Level Course)*
- 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

**UPPER-LEVEL PERSPECTIVES 300-400 COURSES**

*One course required in any perspective category outside the discipline of the 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.

**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.

**Perspectives Courses and the Major**

If a particular Liberal Studies Perspectives course (with the exception of the Upper Level Perspective) is required by a degree program or major, the Perspectives category requirement met by that course will be satisfied for students in that program.

**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 community. 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 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 (e.g., Art, Music) can be accommodated by including entry-level major courses in the Academic Learning Community course grouping.

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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.
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; World Languages. The College also offers baccalaureate degrees in the following interdisciplinary areas: Environmental Science; Forensic Science; 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 advisers 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

The Certificate (15 hours) requires completion of:

- HIST 471 - Introduction to Public History Credits: 3
- HIST 472 - Local History Credits: 3
- HIST 473 - Museum Studies Credits: 3
- HIST 474 - Introduction to Oral History Credits: 3
- HIST 483 - Public/Applied History Capstone Internship 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

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

Anthropology, B.A.

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 Hours: 42

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 must also finish an approved Engaged Learning Experience to complete the requirements for the degree. Each student is required to work with his/her departmental advisor to enter into an Engaged Learning Requirement Contract no later than the end of drop/add period in the semester prior to his or her graduating semester and must complete the contract no later than the last day of classes of the semester prior to their graduation semester. This contract will detail the specific activities to be undertaken and corresponding deliverables 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, but the timely completion of an Engaged Learning Requirement Contract is required.
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 473 - Contemporary Cherokee Culture and Society Credits: 3
- ANTH 477 - Cultures of Sub-Saharan Africa 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 461 - Indians of North America Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- ANTH 466 - Folklore Credits: 3

Archaeology:
- 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 342 - Death, Decay, and Deconstruction Credits: 3
- ANTH 360 - Primates Credits: 3
- ANTH 363 - Human Origins Credits: 3
- ANTH 366 - Juvenile & Functional Human Osteology Credits: 3
- ANTH 367 - Dental Anthropology Credits: 3
- ANTH 368 - Bioarchaeology Credits: 3
- ANTH 370 - Human Biological Variation Credits: 3
- ANTH 400 - Human Osteology Method & Theory Credits: 3

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• 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 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.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/anthsoc/ to view the 8 semester curriculum guide.

Anthropology, B.S.
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 Hours: 42

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 must also finish an approved Engaged Learning Experience to complete the requirements for the degree. Each student is required to work with his/her departmental advisor to enter into an Engaged Learning Requirement Contract no later than the end of drop/add period in the semester prior to their graduating semester and must complete the contract no later than the last day of classes of the semester prior to their graduating semester. 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, but the timely completion of an Engaged Learning Requirement Contract is required.

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 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
- ANTH 477 - Cultures of Sub-Saharan Africa Credits: 3

Archaeology:
- 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 342 - Death, Decay, and Deconstruction Credits: 3
- ANTH 360 - Primates Credits: 3
- ANTH 363 - Human Origins Credits: 3
- ANTH 366 - Juvenile & Functional Human Osteology Credits: 3
- ANTH 367 - Dental Anthropology Credits: 3
- ANTH 368 - Bioarchaeology Credits: 3
- ANTH 370 - Human Biological Variation 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 (18 hours) selected from sophomore, 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.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/ to view the 8 semester curriculum guide.

**Anthropology, Forensic Anthropology Concentration, B.S.**

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 Hours: 42**

**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 must also finish an approved Engaged Learning Experience to complete the requirements for the degree. Each student is required to work with his/her departmental advisor to enter into an Engaged Learning Requirement Contract no later than the end of drop/add period in the semester prior to their graduating semester and must complete the contract no later than the last day of classes of the semester prior to their graduating semester. 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, but the timely completion of an Engaged Learning Requirement Contract is required.

**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 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
ANTH 477 - Cultures of Sub-Saharan Africa Credits: 3

Archaeology:

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 342 - Death, Decay, and Deconstruction Credits: 3
ANTH 360 - Primates Credits: 3
ANTH 363 - Human Origins Credits: 3
ANTH 366 - Juvenile & Functional Human Osteology Credits: 3
ANTH 367 - Dental Anthropology Credits: 3
ANTH 368 - Bioarchaeology Credits: 3
ANTH 370 - Human Biological Variation 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, B.A.

Total number of hours for program: 120.

Liberal Studies Hours: 42
Major Requirements
The major requires 39 hours. The following courses are required:

- MFL 231, 232, or 240 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
Electives (21 hours) to complete a sociology major selected from sophomore, junior, or senior level sociology courses.

Additional Requirements
To complete the degree, 39 hours are required, including a minor, second major, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements. Students must also finish an approved Engaged Learning Experience to complete the requirements for the degree. Each student is required to work with his/her departmental advisor to enter into an Engaged Learning Requirement Contract no later than the end of drop/add period in the semester prior to their graduating semester and must complete the contract no later than the last day of classes of the semester prior to their graduating semester. This contract will detail the specific activities to be undertaken and corresponding deliverables 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, but the timely completion of an Engaged Learning Requirement Contract is required.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/anthsoc/index.asp to view the 8 semester curriculum guide.

Sociology, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

Major Requirements
All the requirements are the same as described for the bachelor of arts degree, except that a foreign language is not required and general electives are increased by 6 hours.

Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/anthsoc/ to view the 8 semester curriculum guide.

Students must also finish an approved Engaged Learning Experience to complete the requirements for the degree. Each student is required to work with his/her departmental advisor to enter into an Engaged Learning Requirement Contract no later than the end of the drop/add period in the semester prior to their graduating semester and must complete the contract no later than the last day of classes the semester prior to their graduating semester. This contract will detail the specific activities to be undertaken and corresponding deliverables 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, but the timely completion of an Engaged Learning Requirement Contract is required.

Biology
Liberal Studies Hours: 42

Major Requirements

The major requires 47 hours of core courses, including: Senior Research, 3 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

Concentration:

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 and one from the Organismal Biology set and one 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
(6-15 hours depending on the hours taken for Liberal Studies that also count in the
major.) General electives (6 hours) at the 300/400 level) are required to complete the
program for each of the concentrations offered. Students must take at least 30 hours of
the courses at the junior-senior level at WCU in order 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 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 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 -- 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

Chemistry and Physics

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Dr. David Evanoff, Department Head
[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-PROFESSIONAL PROGRAMS AND CHEMISTRY DEGREE PROGRAMS

Students interested in pre-medical, pre-dental, pre-optometry, pre-veterinary, and pre-pharmacy programs are encouraged to enroll in the B.A. in Chemistry or the B.S. in Chemistry - Pre-medical/Pre-dental/Pre-optometry/Pre-veterinary/Pre-pharmacy Concentration. Those interested in advanced study in chemistry are encouraged to enroll in the B.S. in Chemistry- ACS Approved Concentration or the B.S. in Chemistry - Four Plus One Concentration, in which students may receive a B.S. and an M.S. in chemistry in five years.

Chemistry (ACS-Certified Concentration with ABM Option), B.S.

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 B.S. and M.S. in Chemistry from WCU in an accelerated timeframe.

**Liberal Studies Hours: 42**

**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 6 hours of research to ensure timely completion of the M.S. 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 in order 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 **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 M.S. 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 sixty (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. 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. A prospective ABM student that meets the eligibility requirements above should schedule a meeting with her/his academic advisor and the graduate program director to develop a tentative plan of study for her/his 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. Upon review of 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 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. It is the responsibility of the student to recognize her/his eligibility requirements.

2. If a student completes the bachelor's degree requirements with a cumulative GPA of less than 3.000/4.000, then she/he needs program approval to continue to pursue the master's degree.

3. If a student becomes ineligible to participate in the ABM track, the graduate program director must inform the student in writing of her/his 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 8 semester curriculum guide.
Chemistry (General Concentration), B.S.

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. The student 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 Hours: 42

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
• CHEM 450 - Advanced Biochemistry Credits: 3
• CHEM 453 - Physical Chemistry: Quantum Chemistry and Spectroscopy Credits: 3
• CHEM 454 - Computer Interfacing Credits: 3
• CHEM 455 - Chemometrics Credits: 3
• CHEM 461 - Environmental Chemistry Credits: 3
• CHEM 465 - Forensic Chemistry Credits: 4
• CHEM 493 - Topics in Chemistry Credits: 1-3, R6

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 in order 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 8 semester curriculum guide.

Chemistry (Premedical/Biomedical Science and Technology Concentration), B.S.
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 M.D. or Pharm.D.) should also judiciously choose their electives to satisfy admissions preferences and fully prepare for entrance exams.

Liberal Studies Hours: 42

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
  and
• PHYS 131 - Introductory Physics II Credits: 4
  or
• PHYS 230 - General Physics I Credits: 4
and

- 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 3 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 in order to satisfy general university degree requirements. Pre-medical, pre-dental, pre-pharmacy, pre-veterinary, and pre-optometry students should discuss with their advisers 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 8 semester curriculum guide.

Forensic Science (Interdisciplinary), B.S

Total number of hours for the program: 124.
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, 270, CHEM 139, 140 and 241, PHYS 130 and 131, and MATH 153 and 270.

Minimum GPA Requirement: All Forensic Science students must maintain a 2.75 GPA in the 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 GPA in all major coursework while enrolled as a Forensic Science student.

Statement of Goals: Each student applying for entry into the Forensic Science Program must submit an essay describing his/her career goals in Forensic Science or related area. The essay must be no longer than 2 pages, and should be included with the submitted application packet.

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.

Other Requirements: 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 of 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 1st for Fall Admission, and October 1st 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 requirement for degree completion.

Liberal Studies: 42 hours

Major requirements 82 hours as follows:

Core Science Courses: (30 hours)

- BIOL 140 - Principles of Biology I Credits: 4
- CHEM 139 - General Chemistry I Credits: 4
• CHEM 140 - General Chemistry I 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 selected from)

• 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)

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
- ANTH 401 - Bone Trauma & Modification Credits: 3
- PSY 370 - Psychology and Law Credits: 3
- PSY 470 - Abnormal Psychology 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 8 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](http://www.wcu.edu/learn/departments-schools-colleges/cas/social-sciences/communication/index.aspx)

*Mr. Don Connelly, Department Head*

[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)

**Communication, B.S.**

Total number of hours for the program: 120.

**Liberal Studies Hours: 42**

**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 351 - Introduction to Television Studies 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 456 - The Business of Broadcasting Credits: 3
- COMM 457 - Radio and Television Programming 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
**Broadcast Sales:**
- COMM 307 - Advertising Writing Credits: 3
- COMM 458 - Broadcast Sales and Promotion Credits: 3
- CS 130 - Introduction to Computing Credits: 3
- ENT 201 - Introduction to Entrepreneurship Credits: 3
- MKT 201 - Marketing Planning and Strategy Credits: 3
- MKT 206 - Introduction to Professional Selling Credits: 3

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 and 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 applications to disease prevention, health advocacy, and communications concerning 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 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 385 - News Practicum I 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 communication course from the following:

- COMM 307 - Advertising Writing Credits: 3
- COMM 346 - Communications Ethics and Responsibilities Credits: 3
- COMM 400 - Crisis Communications 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)
- CS 130 - Introduction to Computing Credits: 3

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 such at the end of their first semester. Required Pre-requisites: 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. At least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

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

Dr. Stephen Brown, Department Head

[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)

Criminal Justice, B.S.
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. 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. In any case, 50% of earned degree hours and 50% of all courses in the major must be at the 300/400 level. 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.

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 a cumulative 2.0 GPA or better on all coursework at other colleges or universities and completion of an Associate of Arts or an Associate of Science degree from the community college or completion of the "44 General Core" courses that satisfy the General Education/Liberal Studies requirement for a North Carolina community college. Students must also be able to document at least one year experience in the criminal justice field.

Liberal Studies Hours: 42

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 6 hours in each of the following areas:

Area 1: The Justice System (6 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 (6 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 (6 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

*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 persons with a minimum of 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 (9 hours) minimum of 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 (9 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 435 - Homeland Security Credits: 3
• EDM 457 - Terrorism Credits: 3
• EDM 360 - Asset Protection & Critical Infrastructure 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, B.S.

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 A.A., A.S. or A.A.S. 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% of all courses in the major must be the 300/400 level.

Liberal Studies Hours: 42

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:*

305 Coulter Building  
(828) 227-7264  
Website: [http://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/english/](http://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/english/)

Dr. Brent Kinser, Department Head  
[http://www.wcu.edu/contact-wcu/faculty/staff-directory.asp](http://www.wcu.edu/contact-wcu/faculty/staff-directory.asp) (search by department)

**English (English Studies Pedagogy), B.A.**

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 Hours: 42**

**Language Requirement (6 hours)**

MFL 231, 232, 240 Credits: 6

The BA language requirement (6 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 6 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 (3 hours) of the following:

- EDSE 484 - Supervised Internship I Credits: (1-3)  
  or  
- ENGL 498 - Senior Seminar in English Credits: 3

**English Core (6 hours)**

Two (6 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 416 - Teaching English as a Second Language Credits: 3
- ENGL 418 - Fundamentals of Teaching Literature Credits: 3

English Studies Pedagogy Electives (12 hours)

12 hours from the following courses:

- ENGL 303 - Introduction to Professional Writing and Editing 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 465 - Topics in African American Literature 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 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 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 (38-44 hours depending on the number of hours taken in the major that also count for Liberal Studies). 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), B.A.
Total number of hours for the program: 120.

Liberal Studies Hours: 42
Major Requirements
Language Requirement - 6 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)
18 hours of 300-400 level English Literature or Film courses. Only 6 of these hours may be Liberal Studies courses:

• ENGL 474 - Literary Theory 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 459 - Southern Literature Credits: 3
• ENGL 465 - Topics in African American Literature Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3
• ENGL 367 - Appalachian Literature Credits: 3
• ENGL 368 - Film Genres Credits: 3, R6
• ENGL 476 - The Short Story 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 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 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

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 (6 hours MFL 231/232 or 240) and may require coursework beyond 120 hours in order to couplet the requirements of both programs.

English Motion Picture Studies Concentration B.A.
Total number of hours for the program: 120.

Liberal Studies Hours: 42
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 (3 hours):
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
One of the following (3 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)
6 hours selected from the following:

- ART 479 - Motion Graphics II Credits: 3, R6
- COMM 255 - Television Production I Credits: 3
- COMM 351 - Introduction to Television Studies 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)
6 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 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 (6 hours MFL 231/232 or 240) and may require coursework beyond the 120 hours in order to complete the requirements of both programs.

English Professional Writing Concentration B.A.

Liberal Studies Hours: 42

Major Requirements

Language Requirement - 6 hours
MFL 231, 232 or 240 Credits: 6

The major requires 34 hours as follows:

(1 hour) Gateway Course
- ENGL 200 - Introduction to the English Major Credits: 1

(3 hour) Capstone Course
- ENGL 389 - Cooperative Education: Professional Writing Credits: 1 or 3, R15
  or
- ENGL 483 - Writing Internship Credits: 3

(6 Hours) Two of the following three Survey Core 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

(6 hours) Professional Writing Required Courses
- ENGL 302 - Introduction to Creative Writing and Editing Credits: 3
- ENGL 303 - Introduction to Professional Writing and Editing Credits: 3

12 Hours Professional Writing Electives Selected From:
- ENGL 304 - Writing for Electronic Environments Credits: 3
- ENGL 402 - Technical Writing 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 401 - Writing for Careers 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
- FTP 310 - Introduction to Screenwriting Credits: 3
ENGL 412 - Grammar for Writers Credits: 3

(6 Hours) Guided English Electives

6 hours selected from 300-400 level ENGL courses. 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 (6 hours MFL 231, 232 or 240) and may require coursework beyond the 120 hours in order 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 8 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 B.S.
Total number of hours for program: 120.

Liberal Studies Hours: 42

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 - Quantitative Air Analysis **Credits:** 2
- 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- or 400-level courses that meet one 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: or
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 Waste Management **Credits:** 2
- 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 are required to complete the program depending on the number of hours in the major that also double count for Liberal Studies.

Students must take at least 30 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

(General Elective Hours depend on the number of hours taken in the major that also count for Liberal Studies.)

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/gnr/esmht/ to view the 8 semester curriculum guide.

Geology, B.S.

Total number of hours for program: 120.

Liberal Studies Hours: 42

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 305 - Soils and Hydrology Credits: 4
  *or*
- GEOL 302 - Geomorphology Credits: 4
- GEOL 355 - Petrology Credits: 4
- GEOL 371 - Structural Geology Credits: 4
- GEOL 422 - Sedimentation and Stratigraphy Credits: 4

Concentrations:

Environmental Hydrology Concentration Hours: 34

- CHEM 139 - General Chemistry I Credits: 4
- CHEM 140 - General Chemistry II Credits: 4
  *or*
• CHEM 330 - Aquatic Chemistry Credits: 4
  or
• CHEM 461 - Environmental Chemistry Credits: 3
  or
• GEOL 465 - Environmental Geochemistry Credits: 3
• GEOL 405 - Hydrogeology Credits: 4
• 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

Plus: Upper Level Electives
Upper-level electives in sciences or mathematics chosen from courses below or one approved by advisor, 11 to 12 hours:

• GEOL 260 - Oceanography Credits: 3
• GEOL 410 - Fluvial Geomorphology Credits: 3
• GEOL 423 - Contaminated Rivers: Assessment, Remediation, and Restoration Credits: 3
• GEOL 455 - Wetlands Credits: 3

Solid Earth Concentration Hours: 34

• CHEM 139 - General Chemistry I Credits: 4
• GEOL 356 - Advanced Petrology Credits: 2
  or
• GEOL 471 - Tectonics 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

Plus

- CHEM 140 - General Chemistry II Credits: 4
  
or
- 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 Electives

Upper-level electives in sciences or mathematics courses approved by advisor, 11 to 14 hours.

Interdisciplinary Concentration Hours: 34

- 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 Electives

Upper-level electives in sciences or mathematics courses approved by advisor, 19 hours. At least 9 hours must form an approved set of coherent courses outside of geology.

General Electives

General electives, (14-23 hours) depending on hours taken in major that meet liberal studies requirements.

Additional Requirements

At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Note: For students planning to pursue graduate work, it is recommended that the following courses be included in the above curriculum: At least two chemistry courses, a Geology Summer Field course and:
• MATH 153 - Calculus I Credits: 4
  and
• 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, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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 ManagementCredits: 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)

Concentration
Concentration, 18 hours, selected from:

Forest Resources Concentration
• 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

3 Hours Selected From:
- 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
- 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

6 Hours Selected From:
- 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
At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Visit the NRCM program's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/gnr/nrcm/.

History

Office Information:
225 McKee Building
(828) 227-7243
Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/history/
Dr. Mary Ella Engel, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

History B.A.
Total number of hours for program: 120.

Students who elect to pursue the BA as part of the double degree licensure program in Social Sciences Education could exceed the 128 credit hours. 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.

**Liberal Studies Hours: 42**

**Major Requirements:**

**Modern Foreign Language (6 hours)**

WLL 231-232 or 240 (6 hours)

**Methods Credits (6 hours)**

Students will take 6 hours of methods courses: HIST 297: Sophomore Seminar and 3 Hours from one of the following Advanced Methods/Capstone Courses: HIST 491: Supervised Student Teaching in Social Sciences, 9-12 (3 hours) HIST 483: Internship in Public and Applied History (3 hours) 400 Level Capstone Designated Seminar Course (3 hours)

**Upper Division Electives (18 hours)**

18 hours of 300/400 level electives to include 3 hours in United States History, 3 hours in European History, 3 hours in ALAMEA (African, Latin American, Middle Eastern, and Asia). Students must have 3 hours of 400-level electives (in addition to the 3 hours of methods/capstone listed in the methods credit section above). HIST 395 will be double counted as an upper level division elective course in the history major for dual-degree students seeking a BA in History and a BSED in Social Science Education. It is a requirement in the BSED program in Social Science Education.

**Survey Courses (9 hours)**

Students will take 3 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 (3 hours):* HIST 220: Ancient Empires HIST 221: Birth of Europe 300-1517
  
  *ALAMEA (3 Hours):* HIST 210: African History to 1880 HIST 211: African History since 1880 HIST 212: Latin American History I HIST 213: Modern Latin American History
  

**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. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. 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.wceu.edu/learn/departments-schools-colleges/cas/casdepts/history/index.asp to view the 8 semester curriculum guide.

History, B.S
Total number of hours for program: 120.

Students who elect to pursue the BS as part of the double licensure program in Social Sciences Education (BSED) could exceed the 128 credit hours.

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 of a global economy.

Liberal Studies Hours: 42

Major Requirements (3 hours)
- MATH 170 - Applied Statistics Credits: 3

Survey Credits (9 hours)
Students will take 3 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 (3 Hours): HIST 220: Ancient Empires HIST 221: The Birth of Europe, 300-1517

Methods Credits (6 hours)
Students will take 6 hours of methods courses: HIST 297: Sophomore Seminar AND 3 Hours from one of the following Advanced Methods/Capstone Courses: HIST 491: Supervised Student Teaching in Social Sciences, 9-12 (3 hours) HIST 483: Internship in Public and Applied History 400 Level Capstone Designated Seminar Course

Upper Division Electives (18 hours)
18 hours of 300/400 level electives to include 3 hours in United States History, 3 hours in European History, 3 hours in ALAMEA History. Students must take 3 hours at the 400 level (in addition to the Capstone Hours listed in the Methods Credits section above). HIST 395 will be double counted as an upper division elective course in the history major for dual-degree students seeking a BS in History and a BSED in Social Science Education. 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. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. 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 8 semester curriculum guide.

**International Studies (Interdisciplinary), B.A.**

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.

Total number of hours for this program: 120.

**Liberal Studies Hours: 42**

The major requires 30 hours:

**Modern Foreign Languages (9 hours)**

MFL 231-232 or 240 (6 hours) and 3 hours of MFL at the 300 level in the same language.

or

MFL 231-232 or 240 (6 hours) in the same language and 3 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.

Students are also required to choose a concentration as a way to focus their studies on a particular topic or region. 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.

- 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

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• 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 354 - International Environmental Politics Credits: 3
• PSC 359 - International Law 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
• 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
• PSC 370 - Politics of Ethnic Conflict 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

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• 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
• 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 3 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
• ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3
• ENGL 366 - Literature and Immigration Credits: 3

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• 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
• HIST 330 - Modern Germany  
  Credits: 3
• HIST 342 - American Diplomatic History  
  Credits: 3
• HIST 345 - Modern Native America  
  Credits: 3
• HIST 373 - Modern Asia  
  Credits: 3
• HIST 401 - History of Sexualities in Africa  
  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
• HIST 445 - Cherokee History  
  Credits: 3
• INST 200 - Introduction to International Studies  
  Credits: 3
• INST 400 - International Studies Capstone  
  Credits: 3
• INST 480 - Independent Study  
  Credits: 3
• INST 493 - Topics in International Studies  
  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
• LAW 320 - International Business Law  
  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 306 - Early Modern Philosophy from Copernicus to Kant  
  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 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 370 - Politics of Ethnic Conflict Credits: 3
- PSC 375 - European Politics Credits: 3
- PSC 376 - African Politics Credits: 3
- PSC 378 - Asian Politics Credits: 3
- PSC 379 - Latin American Politics Credits: 3
- PSC 451 - Model United Nations Credits: (3, R6)
- SM 350 - Global sport and culture Credits: 3
- SOC 373 - The Global Society Credits: 3
- SOC 434 - Regional and Societal Development Credits: 3
- SPAN 321 - Hispanic Cultures I Credits: 3
- SPAN 322 - Hispanic Cultures II Credits: 3
- SPAN 394 - Immersion Experience Credits: 3-6, R12
- SPAN 432 - North American and Caribbean Literature Credits: 3, R6
- SPAN 434 - South American Hispanic Literature Credits: 3

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. Each student is required to work with his/her program advisor 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.
Math 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
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Computer Science, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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 8 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) that are not required or from the courses listed below. (Three hours of the Computer Science elective courses have to be at the 400 level.)

- 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

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 http://www.wcu.edu/8462.asp to view the 8 semester curriculum guide.

Mathematics, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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:

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 I 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 Applied Statistical Methods, Corporate 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:
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.

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.

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 B.S. in Mathematics with the Mathematics Education Concentration must also be enrolled in the B.S. Ed. Mathematics. If hours taken in the major also meet Liberal Studies requirements, more hours may need to be completed in order to meet the 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)
- 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)

Additional Information 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 one of the general university degree requirements. Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/science-and-math/mathesdept/ to view the 8 semester curriculum guide.

**Philosophy and Religion**

*Office Information:*

226 Stillwell Building  
(828) 227-7262  


*Dr. John Whitmire, Jr., Department Head*

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

**Philosophy (Concentration in Philosophy), B.A.**

Total number of hours for the program: 120.

**Liberal Studies Hours: 42**

**Major Requirements**

The major in Philosophy with a concentration in Philosophy requires:

**Concentration in Philosophy**

36 hours as follows:

World Languages 231-232 or 240: (6 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 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith 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
- 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.

Philosophy (Concentration in Religion), B.A.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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: (6 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
- 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 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith 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
  and 6 hours from
- 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

Office Information:
358 Stillwell Building
(828) 227-7475
Political Science, B.A.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

Major Requirements
The major requires 36 hours (18 hours at the 300/400 level) as follows:

Core Courses: 15 hours
(must earn "C" or better in each core course)

American Politics (3 hours)
- PSC 270 - Popular Culture in American Politics Credits: (3, R6)
- PSC 347 - American Social and Political Eras Credits: 3
- PSC 494 - Seminar: American Political Systems Credits: (3, R6)

Comparative Politics/International Relations (3 hours)
- PSC 242 - International Organization Credits: 3
- PSC 493 - Topics in Contemporary Political Systems Credits: (3, R6)

Electives (6 hours)

Engaged Experience (3 hours)
- PSC 483 - Internship in Political Science Credits: 3

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. A total of 18 hours must be at the 300/400 level and no more than 6 hours can be applied to cooperative education or internship.

In additional 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 http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/poliscipublicaffairs/index.asp to view the 8 semester curriculum guide.
Political Science, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

Major Requirements
The major requires 36 hours (18 hours at the 300/400 level) as follows:

Core Courses: 15 hours
(must earn "C" or better in each core course)

American Politics (3 hours)
- PSC 270 - Popular Culture in American Politics Credits: (3, R6)
- PSC 347 - American Social and Political Eras Credits: 3
- PSC 494 - Seminar: American Political Systems Credits: (3, R6)

Comparative Politics/International Relations (3 hours)
- PSC 242 - International Organization Credits: 3
- PSC 493 - Topics in Contemporary Political Systems Credits: (3, R6)

Research Requirement (3 hours)

Electives (9 hours)

Engaged Experience (3 hours)
- PSC 483 - Internship in Political Science Credits: 3

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. A total of 18 hours must be at the 300/400 level and no more than 6 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 http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/poliscipublicaffairs/index.asp to view the 8 semester curriculum guide.

World Languages

Office Information:
118 McKee Building
(828) 227-7241

Website: http://www.wcu.edu/learn/departments-schools-colleges/cas/humanities/world-languages/index.aspx

180
Spanish, B.A.
Total number of hours for program: 120.

Liberal Studies Hours: 42

Major Requirements
The major requires 33 hours as follows:

**Intermediate coursework: 6 hours**
- 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 ("core"): 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**
Choose 12 credit hours of these courses.
- 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

**Additional Requirements**
In addition to the coursework listed here, students are required to complete a second major, minor, or other approved program. 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.

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 3 hours of Native American Studies (NAS) courses as program electives.

Biology, Minor
Total number of hours for the program: 23.

Minor Requirements
The minor requires 23 hours, including:

- 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 7 hours of junior/senior level biology electives.

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 5 hours must be at the junior-senior level.

Cherokee Studies (Interdisciplinary), Minor
Total number of hours for the program: 21.

Minor Requirements
The minor requires 21 hours, including:

- ANTH 461 - Indians of North America Credits: 3
- ANTH 473 - Contemporary Cherokee Culture and Society Credits: 3
- CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World Credits: 3
- CHER 132 - Elementary Cherokee II Credits: 3
- HIST 445 - Cherokee History Credits: 3
Electives
6 hours of electives selected from:

- ANTH 362 - Southeastern Archaeology Credits: 3
- ANTH 379 - Cherokee Arts and Crafts Credits: 3
- ART 379 - Cherokee Arts and Crafts Credits: 3
- CHER 231 - Intermediate Cherokee I Credits: 3
- CHER 232 - Intermediate Cherokee II Credits: 3
- USI 394 - Topics in Cherokee Studies Credits: 3, R9
  Any Native American Studies (NAS) class Credits: 3

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 with the exception of COMM 190 and COMM 201

Computer Science, Minor
Total number of hours for the program: 17.

Minor Requirements
The minor requires 17 hours, including:

- CS 150 - Problem Solving and Programming I Credits: 4
- CS 151 - Problem Solving and Programming II Credits: 4

Additional Requirements
9 hours of other CS courses numbered 250 or above (excluding CS 353):

- MATH 441 - Introduction to Numerical Analysis Credits: 3
  Plus 6 hours of other CS courses numbered 250 or above (excluding CS 353).

Creative Writing, Minor
Total number of hours for the program: 18.

The Creative Writing minor requires 18 hours, including a 3 hour core course, 9 hours of writing electives, and 6 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, 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.

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)

6 hours from any of the 300-400 level ENGL classes.

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:

One course from each of the 3 major areas (9 hours)

One course from each of the 3 major areas (9 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) include:

- 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 18 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 ENGL 300 and 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 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 402 - Technical Writing 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 405 - Advanced Creative Writing Credits: 3
• ENGL 411 - History of the English Language Credits: 3
• ENGL 412 - Grammar for Writers 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 417 - Methods for Teaching English 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, R6
• 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 as follows, 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:
- ART 479 - Motion Graphics II Credits: 3, R6
- COMM 255 - Television Production I Credits: 3
- COMM 351 - Introduction to Television Studies Credits: 3
- ENGL 368 - Film Genres Credits: 3, R6
- ENGL 378 - Motion Picture Histories Credits: 3
- ENGL 478 - Film Theory Credits: 3
- LAW 406 - Media Law Credits: 3
- FTP 310 - Introduction to Screenwriting 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

NOTE: A course carrying a repeat credit may be applied only once to the minor.

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Forensic Anthropology, Minor
Total number of hours for the program: 21.

Minor Requirements
The minor requires 21 hours, including:

- 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

Additional Requirements
6 hours of junior-senior level anthropology courses. Students may use up to 3 hours of Native American Studies (NAS) courses as program electives.

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
Total number of hours for the program: 21.

Minor Requirements
The minor requires 21 hours, including:

- 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 above the freshman level.

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:
15 hours (five courses) at the 300-400 level.

History, Minor
Total number of hours for the program: 18.

Minor Requirements
The minor requires 18 hours, including 6 hours of 200 level courses and 12 hours at the 300/400 level.

International Studies (Interdisciplinary), Minor
Minor Requirements
The minor requires 18 hours, including either:

Additional Requirements
An additional 15 hours outside the major is required from:

- ANTH 327 - Economy and Society Credits: 3
- ANTH 465 - Cultures of Latin America Credits: 3
- ANTH 477 - Cultures of subSaharan Africa Credits: 3
- CJ 354 - Comparative Criminal Justice Systems Credits: 3
- CJ 475 - International Studies in Law and Society Credits: 3, R6
- COMM 415 - Intercultural Communication 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 317 - History of Twentieth-Century International Relations Credits: 3
- HIST 330 - Modern Germany Credits: 3
- HIST 335 - History of Capitalism Credits: 3
- HIST 361 - Latin American History I Credits: 3
- HIST 362 - Latin American History II Credits: 3
- HIST 373 - Modern Asia Credits: 3
- HIST 375 - Middle East since Mohammed 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
- HIST 452 - American Diplomatic History Credits: 3
- HIST 463 - History of the Mexican Nation Credits: 3
- PAR 251 - Understanding Islamic Traditions Credits: 3

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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
- JPN 231 - Intermediate Japanese I Credits: 3
- JPN 232 - Intermediate Japanese II Credits: 3

Electives (9 hours)
- JPN 301 - Third Year Japanese I Credits: 3
- JPN 302 - Third Year Japanese II Credits: 3
- JPN 451 - Advanced Japanese Grammar Credits: 3
- JPN 452 - Advanced Japanese Conversation Credits: 3
- JPN 305 - Introduction to Japanese Literature in Translation Credits: 3
- JPN 393 - Special Topics in Japanese Credits: 3, R12
- JPN 306 - Anime, Manga and Japan Credits: 3
- JPN 307 - Japanese Language in Cinema 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 for the class to count toward satisfying the minor in journalism.

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 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 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
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.

The minor requires 18 hours, including:

- GEOG 221 - Introduction to Geospatial Analysis Credits: 3
- NRM 210 - Methods in Natural Resources Management Credits: 4

Select 11 hours 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)
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 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith 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:
• 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
12 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:

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 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.

Not open to those pursuing the B.A. in English with a concentration in professional writing.

12 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 402 - Technical Writing 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 389 - Cooperative Education: Professional Writing Credits: 1 or 3, R15
- ENGL 401 - Writing for Careers Credits: 3
- ENGL 405 - Advanced Creative Writing Credits: 3
- ENGL 483 - Writing Internship Credits: 3
- ENGL 493 - Topics in Creative Writing Credits: 1-3, R6

Additional Requirements
6 hours from any English course, exclusive of ENGL 300 and those approved for 100-200 level liberal studies credit.

6 semester hours selected from any English course:
Exclusive of ENGL 300 and those approved for 100-200 level Liberal Studies credit.

- 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 411 - History of the English Language Credits: 3
• ENGL 412 - Grammar for Writers 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 417 - Methods for Teaching English 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 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)

9 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 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith **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, including:

- SOC 103 - Human Society **Credits:** 3

Additional Requirements

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 Electives from Spanish Courses:
15 hours (five 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 (3 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 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 ELL K-12 component. See the TESOL/ESL director for approval of the 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

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). Requirements for recommendation for licensure include successful completion of the TESOL minor. Additionally, students must EITHER successfully complete the PRAXIS II Teaching
English to Speakers of Other Languages exam OR successfully complete 6 additional hours of licensure-related coursework.

**PRAXIS Exam Option**
Successful score on the PRAXIS II Teaching English to Speakers of Other Languages exam. See TESOL program director for information concerning current score requirements.

**COURSE Option**
Six additional hours of coursework selected from the following (note: the six-hour requirement is in addition to the 18 hour minor. ESL Courses listed in the minor may be used to satisfy this requirement only if they are taken in addition to 18 hours of ESL courses completed to satisfy the minor)

- 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
- 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. Darrell Parker, Dean
Dr. Debra Burke, Associate Dean for Academic Affairs
Dr. Kenneth Flynt, Associate Dean for Outreach and Engagement

http://www.wceu.edu/discover/contact-wcu/faculty/staff-directory.asp (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 include: Bachelor of Science in Business Administration (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 and Master of Project Management. The Master of Business Administration and the Master of Accountancy are offered in Asheville; the Master of Entrepreneurship and the Master of Project Management are Web-based, available internationally.

Admission to B.S.B.A. 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 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.
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)
(Required for all B.S.B.A. Majors)

- 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

and

- 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 6 hours of general electives,

Certificate in Financial Planning

Certificate Requirements

The Certificate includes the six courses required by teh Certified Financial Planning Board to sit for the Certified Financial Planner exam. The Certificate (18 hours) requires the completion of:

- 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

and

- FIN 496 - Estate & Trust Planning Credits: 3, or
- LAW 496 - Estate and Trust Planning Credits: 3

School of Accounting, Finance, Information Systems and Business Law

200
The department hosts the Center for Information Technology and Assurance (CITA) directed by Dr. Tilt Thompkins

Accounting, B.S.B.A.
Total number of hours for program: 120.
A student must complete ACCT 275 with a grade of C or better before taking ACCT 352 or ACCT 365.

Liberal Studies Hours: 42
Business Core: 36 hours
Major Requirements
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

Electives
General Electives Credits: 21-27 hours depending on Liberal Studies courses completed.

Curriculum Guide
Visit the department's website at http://accounting.wcu.edu to view the 8 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 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 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

Computer Information Systems B.S.B.A.

Total number of hours for program: 120.

Liberal Studies Hours: 42

Business Core: 36 hours

Major Requirements

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 - Applications Development III Credits: 3, R9

and 6 hours of program electives from the following:

• CIS 293 - Topics in Computer Information Systems Credits: 1-3, R6
• 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
• CIS 465 - Applications Development III Credits: 3, R9
• CS 150 - Problem Solving and Programming I Credits: 4
Electives
General Electives Credits: 12-16 hours depending on Liberal Studies courses completed.

Curriculum guide
Visit the department's website at http://cis.wcu.edu to view the 8 semester curriculum guide.

Finance, B.S.B.A.
Total number of hours for the program: 120.

Liberal Studies Hours: 42
Business Core: 36 hours

Major Requirements

- FIN 335 - Financial Institutions Credits: 3
- FIN 406 - Investment Strategies Credits: 3

Choose one of the following concentrations:
Financial Planning Concentration
Banking or Corporate Finance Concentration
General Finance Concentration

Banking or Corporate Finance Concentration
For students interested in careers in banking and corporate finance.

- FIN 440 - Bank Practice and Policy Credits: 3
- FIN 450 - Contemporary Managerial Finance Credits: 3

Choose 3 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. No substitutions are allowed to earn a Financial Planning Certificate.

- 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
For students interested in a general knowledge of the finance industry.
Choose 5 courses from the following:

- FIN 210 - Managing your Money for Financial Success **Credits:** 3
- FIN 301 - Financial Statement Analysis **Credits:** 3
- FIN 335 - Financial Institutions **Credits:** 3
- FIN 350 - So You Want To Be A Millionaire **Credits:** 3
- FIN 389 - Cooperative Education in Finance **Credits:** (1or3, R15)
- FIN 406 - Investment Strategies **Credits:** 3
- 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

*But no more than one of the following:*

- ACCT 275 - Intermediate Accounting I **Credits:** 3
- ACCT 355 - Introduction to Income Taxation **Credits:** 3

**Curriculum Guide**

Visit the department's website at http://finance.wcu.edu to view the 8 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/](http://www.wcu.edu/learn/departments-schools-colleges/cob/academic-departments/econ-man-pm/)  
Dr. Hollye Moss, Department Head  
[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)

**Business Administration and Law BSBA**

Total number of hours for program: 120.

**Liberal Studies Hours:** 42  
**Business Core:** 36 hours  
**Major Requirements**  
The following 21 hours in the major:
Required courses:

- LAW 275 - Business Organization Credits: 3
- LAW 331 - Contracts and Sales Credits: 3
- LAW 412 - Business Ethics and Corporate Responsibility Credits: 3

Select four courses 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 393 - Topics in Business Law Credits: 1-3, R6
- LAW 320 - International Business Law 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 420 - Risk Management and Liability in Sport Credits: 3
- LAW 440 - Labor and Employment Law 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
- LAW 475 - Legal and Professional Skills Credits: 3

Electives

General electives: 21-27 hours depending on Liberal Studies courses completed.

Visit the department's website at http://blaw.wcu.edu to view the 8 semester curriculum guide.

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 Hours: 42

Business Core: 36 hours

Major Requirements

The following 27 hours in the major:

- 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

9 hours guided Business elective (300-400 level) with advisor's approval.

General Electives
15-21 hours, depending on Liberal Studies courses completed.

Curriculum Guide
Visit the department's website at http://management.wcu.edu to view the 8 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-h/)
Dr. James DeConinck, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Entrepreneurship, B.S.
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
- (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
Cognate (18 hours)
The underlying philosophy of the B.S. 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 6 hours must be at the junior-senior level.

General Electives (12 hours)
More hours may be required depending on the number of hours taken in the major that also meet Liberal Studies requirements.

Visit the department's website at http://entrepreneurship.wcu.edu to view the 8 semester curriculum guide.

Hospitality Tourism Management, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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

and

- MATH 170 - Applied Statistics Credits: 3

or

- QA 235 - Business Statistics Credits: 3

In addition choose any three from the following which must include at least 3 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)
More hours may be required depending on the number of hours taken in the major that also meet Liberal Studies requirements.

Visit the department's website at http://ht.wcu.edu to view the 8 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 Hours: 42
Business Core: 36 hours
Major Requirements
The following 24 hours in the major:

- 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)
More or less hours may be required depending on the number of hours taken in the major that also meet Liberal Studies requirements.
Marketing, B.S.B.A.
This program is designed to prepare students for careers in sales and marketing.

Liberal Studies Hours: 42  
Business Core: 36 hours 

Major Requirements  
The following 21 hours in the major including:

- MKT 206 - Introduction to Professional Selling Credits: 3
- MKT 465 - Decision Making for Value Creation Credits: 3

And

5 additional marketing electives at the 200, 300, or 400 level (15 hours), or
4 additional marketing electives at the 200, 300, or 400 level plus SM 361 (Sport Marketing) (15 hours)

Electives  
General electives, 21-27 hours depending on Liberal Studies courses completed.

NOTE:
Students may select various interest areas, e.g., digital marketing, sales management, general marketing, by carefully choosing their electives in consultation with their academic adviser.

Visit the department's website at http://salesandmarketing.wcu.edu to view the 8 semester curriculum guide.

Sport Management B.S.B.A.
Total number of hours for program: 120.

Liberal Studies Hours: 42  
Business Core: 36 hours  

Major Requirements: 34 hours

- SM 260 - Introduction to Sport Management Credits: 3
- SM 283 - Apprenticeship Credits: 1, R3
- 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 445 - Sport Administration Credits: 3
- SM 460 - Financial Aspects of Sport Credits: 3
- SM 484 - Internship in Sport Management Credits: 3
- SM 485 - Internship in Sport Management Credits: 3
- SM 495 - Sport Management Strategy Credits: 3

General Electives  
9-15 hours depending on Liberal Studies courses completed.
• SM 445 Sports Administration Credits: 3
• SM 460 Financial Aspects of Sport Credits: 3
• or
• SM 361 Sport Marketing Credits: 3

Curriculum Guide:
Visit the department's website at http://sportmanagement.wcu.edu to view the 8-semester plan.

Accountancy, Minor
Total number of hours for the program: 18.

Requirements
The minor requires 18 hours, including:

• 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.
(Non-Business Majors)

Minor requirements:
The requirements for an 18-semester hour minor in business administration are:

• 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
  and one other course in the College of Business

Business Law, Minor
Total number of hours for the program: 18.

Minor Requirements
The minor requires 18 hours.
• LAW 105 - Introduction to Law Credits: 3
  or
• LAW 230 - Legal and Ethical Environment of Business Credits: 3

And 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 program: 18.

Minor Requirements
All course prerequisites must be followed.

The minor requires 18 hours including:
• 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

and two courses (6 hours) selected from:
• 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 465 - Applications Development III Credits: 3, R9

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

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:
- ECON 231 - Introductory Microeconomics and Social Issues Credits: 3
- ECON 232 - Introductory Macroeconomics and Social Issues Credits: 3
- ECON 302 - Managerial Economics Credits: 3
  and one course selected from:
- QA 235 - Business Statistics Credits: 3
- MATH 170 - Applied Statistics Credits: 3
- MATH 270 - Statistical Methods I Credits: 3

and an additional 6 hours of 300 or 400 level economics courses, which may include:
- GEOG 350 - Economic Geography Credits: 3

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:

- 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

And 6 hours of electives selected 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.

**Required:**

- HT 130 - The Hospitality and Tourism Services Industry Credits: 3
  and 15 additional hours of HT courses except HT 438, 483, 484 or 485.

**Management, Minor**

Total number of hours for the program: 18.

**Minor Requirements**

The minor requires 18 hours, including:

- MGT 300 - Introduction to Management Credits: 3
- MGT 304 - Human Resource Management Credits: 3
- MGT 306 - Behavioral Science in Organizations Credits: 3

And 9 hours of approved Management Electives.

**Marketing, Minor**

Total number of hours for the program: 18.

**Minor Requirements**

MKT 211 - Marketing Principles (for non-marketing majors) Credits: 3

or

- MKT 201 - Marketing Planning and Strategy Credits: 3

And 15 hours of electives
Selected from other marketing courses or SM 361, Sport Marketing. First Year Seminars numbered 195 cannot apply toward a minor.

Depending on the electives selected, course prerequisites may add additional hours. Please check the catalog description for specific requirements.

**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
- and 15 hours from the following:
  - SM 340 - Sport Ethics **Credits:** 3
  - SM 350 - Global sport and culture **Credits:** 3
  - SM 420 - Risk Management and Liability in Sport **Credits:** 3
  - SM 435 - Sport Event and Facility Management **Credits:** 3
  - SM 445 - Sport Administration **Credits:** 3
  - SM 460 - Financial Aspects of Sport **Credits:** 3
  
  or
  
  - SM 361 - Sport Marketing **Credits:** 3

**Additional requirements:**

Students must take SM 260 before taking any other 300-400 level SM courses. Please check the catalog description for specific requirements. Students must have a WCU GPA of 2.5 or greater in order to register for and take 400-level Sport Management classes.
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; appreciation of and respect for diversity; and 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 on the basis of 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 BK majors) 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 in the Teacher Education Handbook.

**Admission Criteria**

All requirements for admission to teacher education should be met by the end of the semester the student is enrolled in EDCI 201 (BK 250 for BK majors). The following criteria are minimum requirements for admission:

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 (and then maintain) a minimum cumulative GPA of 2.75;
4. Achieved the minimum required scores on the SAT, ACT or Pre-Professional Skills Test Praxis I (Reading, Writing, Mathematics);
5. Subscribe to TK 20;
6. Complete the Personality Survey via TK 20;
7. Complete the Diversity Scale via 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 of 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; or
   - 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 which are 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 1 a GPA of at least 2.75 on hours attempted, 2 behavior which adheres to the NC code of ethics of the profession and the professional dispositions of the College of Education and Allied Professions, and 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

The teacher education program requires field experiences in conjunction with several courses in addition to the intern/student-teaching requirement. 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 prior to 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 have the opportunity to 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 B-12 school personnel.
4. Field experience placements are made to facilitate appropriate supervision of students.
5. There may be times where the student can 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 prior to the semester in which student teaching/internship is to be done. 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, and (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 under no obligation 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 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, and (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 with the exception of a one-week field experience associated with SPED 400 that takes place in the summer.

**Additional Information:**


**Human Services**

*Office Information:*

233 Killian Building  
(828) 227-7310  
Website: [http://www.wcu.edu/learn/departments-schools-colleges/CEAP/humanserv/index.aspx](http://www.wcu.edu/learn/departments-schools-colleges/CEAP/humanserv/index.aspx)

Dr. Phyllis Robertson, Department Head  
*http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp* (search by department)

**Birth-Kindergarten, B.S.**
The total number of hours for program: 120.

**The Birth-Kindergarten is a fully online Undergraduate Program.**

**Liberal Studies Hours: 42**

**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, B.S. 39 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: 2, R4**
- BKSE 313 - Assessment of the Young Child **Credits: 3**
- BKSE 412 - Interagency Planning **Credits: 3**
- BKSE 427 - Teaching Reading to Yng 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: 2, 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 Yng Children w/Disabilities **Credits: 3**

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Early Childhood Concentration, B.S. 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:
9-18 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 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. 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 (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 are allowed to take 9 hours with Internship I (BK 482) and are allowed to 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, B.S.
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 Hours: 42

Major Requirements

The major requires 36-39 hours as follows:

- 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 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 370 - Capstone Internship Orientation 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: 1

And Either

- HEAL 250 - First Aid and Safety Education Credits: 2
  or
- PRM 252 - Wilderness First Aid Credits: 2
  or
- PRM 356 - Outdoor First Aid Credits: 4
  or
- PRM 357 - Wilderness First Responder Credits: 4

And Either

- PRM 254 - Introduction to Outdoor Pursuits Education Credits: 4
  or
- PRM 255 - Active Recreation and Leisure Credits: 3

Electives

Electives, 39-42 hours of major and general electives approved by your advisor.

Admission criteria:

All requirements for admission to Parks and Recreation Management (PRM) must be met by the beginning of the semester following the semester in which the student submitted the application. The following are requirements for admission:

1. complete an essay after reviewing current PRM journals on reasons for becoming a PRM major;
2. complete a personal strategic plan with an adviser in which the plan should include involvement in professional activities as well as academic expectations;
3. earn (and maintain) a minimum cumulative GPA of 2.5 on hours attempted at WCU.

Visit the department's website at: http://www.wcu.edu/learn/departments-schools-colleges/CEAP/ceap-depts/humanserv/prm/index.asp 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

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

Psychology, B.S.
Total number of hours for the program: 120.

Liberal Studies Hours: 42

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, 3 hours selected from:

- 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, 3 hours selected from:

- PSY 309 - Social Psychology Credits: 3
- PSY 430 - Personality Credits: 3

Biological Bases of Behavior, 3 hours selected from:

- PSY 340 - Sensation and Perception Credits: 3
- PSY 440 - Biological Psychology **Credits:** 3
- PSY 448 - Human Neuropsychology **Credits:** 3

**Learning and Cognition, 3 hours selected from:**

- PSY 444 - Cognitive Psychology **Credits:** 3
- PSY 446 - Learning **Credits:** 3

**Applications in Psychology, 3 hours selected from:**

- 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 (Hours 9)**

In addition to completing 39 hours of PSY courses, psychology majors must also complete a second major, a minor, or another approved program. Must complete 120 hours for the degree.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/CEAP/ceap-depts/psydept/index.asp to view the 8 semester curriculum guide.

**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**

Required Courses: 14 Hours

Take the following 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
- HPE 420 - Exercise Prescription and Testing **Credits:** 3

**Coaching Strategies and Techniques**

Required Courses: 4 Hours

Select 2 courses.

- PE 300 - Coaching Baseball **Credits:** 2
Leadership, Minor
Total number of hours for the program: 18.

The leadership minor is 18 hours, consists of 9 hours of core courses and 9 hours of elective courses. Required courses are LEAD 244, 344, and 444. The remaining 9 hours may be selected from any of the Human Resources (HR) undergraduate level courses. In addition, other upper division courses may qualify, based on the students' major and course offerings in their department areas, with the permission and agreement of the Leadership faculty and faculty in their major.

Psychology, Minor
Total number of hours for the program: 18.

Minor Requirements
The minor requires 18 hours, including:

- PSY 150 - General Psychology Credits: 3

And 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:

- SPED 240 - The Exceptional Child Credits: 3

Guided Electives
15 hours selected from:

- 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
School of Teaching and Learning

Office Information:
138 Killian Building
(828) 227-7108
Website: http://www.wcu.edu/learn/departments-schools-colleges/ceap/stl/
Dr. Dan Grube, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Art B.S.ED.
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 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 Art Education Program
To continue in the program, students must meet the continuation requirements of the Teacher Education Program 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 B.F.A. Degree in Art with a concentration in Art Education will also receive the B.S.Ed. Degree in Art Education from the College of Education and Allied Professions. For degree requirements, please see the listing under B.F.A. Art, Concentration in Art Education.

Liberal Studies Hours: 42

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
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**

18 hours art studio:

- 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**

9 hours art studio electives selected as 300- or 400-level courses in the same studio discipline.

3 hours art history electives at the junior-senior level.

5 hours of free electives.

**Free Electives**

3 hours of general electives from 300-400 level courses

Visit the department's website at [https://www.wcu.edu/learn/programs/art-education-bsed/index.asp](https://www.wcu.edu/learn/programs/art-education-bsed/index.asp) to view the 8 semester curriculum guide.

**Elementary Education, B.S.ED.**

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 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 3 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 and can affect the total number of hours to complete degree.

Liberal Studies Hours: 42

Professional Education Sequence for Elementary Education

The Professional Education Sequence for Elementary Education requires 24 hours including:

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
  You must be fully admitted into the Teacher Education program and have a 2.75 cumulative GPA to take these courses:
- 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

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 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 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**

A second academic concentration is an eighteen hour course of study in an academic discipline required of education students enrolled in a B.S.Ed. program in elementary education. The concentration areas available are the following: art, biology, English, health promotion and wellness, history, mathematics, natural science, psychology, sociology, Spanish and TESOL. (18 Hours must be completed for each concentration) Please select one of the following:

1. **Art Hours: 18**
   
   Required Courses:
   
   - ART 131 - Introductory Drawing **Credits:** 3
   - ART 137 - Art History Survey II **Credits:** 3
   
   *Students must choose either a 2D or 3D concentration: 2D Concentration Includes*
   
   - ART 132 - Two-Dimensional Design **Credits:** 3
   
   *Plus an additional 9 hours chosen from: Painting, drawing, printmaking, photography or book arts courses. 3D Concentration Includes:*
   
   - ART 142 - Three-Dimensional Design **Credits:** 3
   
   *Plus an additional 9 hours chosen from: Ceramics or sculpture courses.*

2. **English Hours: 18**

   Required courses:
   
   - ENGL 240 - Research, Literary Criticism & British Literature **Credits:** 3

   *Core Requirements (9 hours)*
Literature Requirement (3 hours)

- ENGL 241 - Formalism & American Literature Credits: 3
- ENGL 242 - Cultural Studies & Non-Western World Literature Credits: 3

Grammar Requirement (3 hours)

- ENGL 312 - Grammar for Teachers Credits: 3
- ENGL 319 - Grammar, Language, and Discourse Credits: 3

Methods Requirement (3 hours) 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 (9 hours)

- 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:

- ENVH 230 - Introduction to Environmental Health Science Credits: 3
- HPE 212 - Foundations of Health and Physical Education Credits: 2
- HPE 240 - Care and Prevention of Athletic Injuries Credits: 3
- HPE 255 - Mental and Emotional Health for Teachers and Their Students Credits: 3
- HPE 305 - Adventure-Based Learning Credits: 3
- HPE 312 - Health Education Pedagogy Credits: 3
- HPE 325 - Pedagogy & Prevention of Risky Behaviors K-12 Credits: 3
- HPE 350 - Current Health Problems Credits: 3
- HPE 355 - Fitness Concepts Credits: 3
- HPE 358 - Healthy Living Concepts Credits: 3
- HPE 360 - Sexual Health Throughout the Lifespan Credits: 3
- HPE 365 - Physical Activity and Aging Credits: 3
- HPE 375 - Psychological Aspects of Physical Activity Credits: 3
- HPE 424 - Adapted Movement & Wellness Credits: 3
- PSY 426 - Death and Dying Credits: 3

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:

- 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:

- 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:
  The following elective courses or other courses 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:

- BIOL 140 - Principles of Biology I Credits: 4
- CHEM 132 - Survey of Chemistry I Credits: 4
- GEOL 150 - Methods in Geology Credits: 4
- PHYS 130 - Introductory Physics I Credits: 4

Additional courses: Select 2 hours from any AST, BIOL, CHEM, GEOL, or PHYS course not counted for Liberal Studies.

7. Psychology Hours: 18

Required course:

- PSY 150 - General Psychology Credits: 3

Additional Courses: Select any 15 hours of PSY courses.

8. Sociology Hours: 18

Required courses:

- SOC 103 - Human Society Credits: 3

Additional courses: 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

  or equivalent

- SPAN 231 - Intermediate Spanish I 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 I Credits: 3
and
• 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 (3 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 Requirements:

• 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

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. In order 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 they 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. If a student's overall GPA falls below 2.75 the student 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. 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 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 prior to 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 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

**English, B.S.ED.**
Admission to the English, B.S.ED. Program

Students seeking admission to the English B.S.Ed. Program must declare their major and meet the requirements for admission to the Teacher Education Program.

Admission to the Professional Education Sequence

English B.S.Ed. students should apply to the Teacher Education Program during their sophomore year. English B.S.Ed. students must be admitted to the Teacher Education Program in order to take Professional Education Sequence courses and are subject to all teacher education requirements. EDCI 201 is the only course in the Professional Education Sequence that may be taken prior to admission to the Teacher Education Program.

Continuation in the English B.S. Ed. 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 31 hours in English will be accepted.

Liberal Studies Hours: 42

Major Requirements 43 hours

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 414 - Fundamentals of Teaching Composition Credits: 3
- ENGL 319 - Grammar, Language, and Discourse Credits: 3
- ENGL 416 - Teaching English as a Second Language Credits: 3

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

Six 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 (∗). Be aware that although the BSEd requires SIX hours in this category, the coordinating major with the B.A. in ESP requires NINE - so that candidates should plan to take THREE courses from this category, not two.

- 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

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Professional Education Sequence: B.S.Ed. 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 coursework beyond 120 hours in order to complete the requirements of both programs. BA English (Literature, Professional Writing, English Studies Pedagogy or Motion Picture Studies) students who elect 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 in order 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 31 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 at http://www.wcu.edu/609.asp to view the 8 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 8 semester curriculum guide.

Health and Physical Education B.S.ED.

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 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 Health and Physical Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program 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

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 (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:
• EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
• HPE 425 - Health and Physical Education Curriculum Development Credits: 3
• HPE 488 - Physical Education Internship I:6-12 Credits: 3
• HPE 489 - Health & Physical Education Internship II:K-8 Credits: (9)
• HPE 496 - The Healthful Living Teacher as Leader Credits: 3
• PSY 323 - Psychology Applied to Learning and Teaching Credits: 3
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits: 3

Visit the department's website at https://www.wcu.edu/learn/programs/health-physical-education-bsed/index.asp to view the 8 semester curriculum guide.

Inclusive Education, B.S.ED.

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 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. 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 Inclusive 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 Inclusive Education Program

To continue in the program, students must meet the continuation requirements of the Teacher Education Program 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. 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 2.75, the student 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 Hours: 42

Major Requirements

Inclusive education major, 63* hours as follows:
MATH 321 and MATH 322 are Liberal Studies of which 3 hours count toward Liberal Studies in the degree. Three hours of a foreign language count toward Liberal Studies.

- Six hours of foreign language
- EDEL 323 - Seminar for Responsive Instruction Credits: 1
- 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 Credits: (1-3) 3 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 8 semester curriculum guide.

Mathematics, B.S.ED.
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 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 Teacher Education Program. In addition to these requirements, a student enrolled in the B.S.Ed. in Mathematics must also be enrolled in the B.S. Mathematics with the Mathematics Education Option. If hours taken in the major also meet Liberal Studies requirements more hours may need to be completed in order to meet the 120 total hours needed.

Liberal Studies Hours: 42

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
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 4 hours of general electives. 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 http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/mathcsdept/ to view the 8 semester curriculum guide.

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 http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/mathcsdept/ to view the 8 semester curriculum guide.

Middle Grades Education, B.S.Ed.
Total number of hours for program: 125
(Depending 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 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. If a student scores below a C on any course in the professional education sequence or within the major twice, the student is withdrawn from teacher education. If a student's overall GPA falls below 2.75 the student 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. 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 Middle Grades 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 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 Hours: 42**

**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
- 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

**One concentration from the options below:**

**Language Arts: 24 hours**
Students with an academic concentration for Middle Grades Language Arts must take the following courses:

- 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**

Select one from:

- 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 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

Select two from:
- ENGL 240 - Research, Literary Criticism & British Literature Credits: 3
- ENGL 241 - Formalism & American Literature Credits: 3

Mathematics: 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

Select one from:
- 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: 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: 24 hours
Students with an academic concentration for Middle Grade Social Studies must take the following courses:

U.S. History (9 hours)
- HIST 341 - North Carolina History Credits: 3
  *Take 3 hours from:
- HIST 131 - North American History to 1865 Credits: 3
- HIST 132 - U.S. History Since 1865 Credits: 3

**South America and Europe (6 hours)**
- 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)**
- ANTH 477 - Cultures of Sub-Saharan Africa 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 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)**
- 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:**

245
No grade lower than C on all program requirements, including all courses with prefix of: EDMG, ELMG, EDRD, and courses in the middle grades areas of licensure will be accepted for graduation.

Visit the program's website at http://middlegrades.wcu.edu to view the 8 semester curriculum guide.

**Music Education, B.S.Ed.**

Total number of hours for the program: 128.

Students receiving the B.M. degree in Music with a concentration in Choral/General or Instrumental Music Education will also receive the B.S.Ed. degree in Music Education from the College of Education and Allied Professionals. For degree requirements, please see the listing under B.M. Music, Concentrations in Music Education.

**Science Education (Concentration in Biology), B.S.ED.**

Total number of hours for the program: 128.

(9 credit hours taken in the major 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 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 Teacher Education Program.

**Liberal Studies Hours: 42**

**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 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 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**

7-16 hours of general electives are required to complete the program depending on the number of hours taken in Liberal Studies that also fulfill major requirements.

**Science Education Concentration in Chemistry BSED**

Total number of hours for the program: 120.

(9 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 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 Teacher Education Program.

**Liberal Studies Hours: 42**

**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 Chemistry Concentration (65 hours)

The major requires 64 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 (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
• Approved upper-level science electives 2

Capstone (2 hours)

• CHEM 380 - Research in Chemistry Credits: 1-3, R12

Additional Requirements

7-16 hours of general electives are required to complete the program depending on the number of hours taken in the major that also fulfill Liberal Studies requirements.

Science Education Concentration in Earth Sciences BSED

Total number of hours for the program: 120.

(9 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 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 Hours: 42**

**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 | **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 in Earth and Science 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
  
  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

7-16 hours of general electives are required to complete the program depending on the number of hours taken in the major that also fulfill Liberal Studies requirements.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/gnr/geol/geology-curriculum/eight-semester-plan-for-b.s.ed.-earth-sciences-concentration.asp to view the 8 semester curriculum guide.

Science Education Concentration in Physics BSED

Total number of hours for the program: 128.

(9 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 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 Teacher Education Program.

Liberal Studies Hours: 42

Professional Education Sequence (23 hours)

- EDCI 201 - Teacher Leadership in a Diverse Society Credits: 3
- PSY 323 - PsychologyApplied 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
7-16 hours of general electives are required to complete the program depending on the number of hours taken in the major that also fulfill Liberal Studies requirements.


Social Sciences, B.S.ED.
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 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 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 Hours: 42**

**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 B.S.Ed. 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

III. **Social Science Courses (18 hours)**

- ECON 231 - Introductory Microeconomics and Social Issues **Credits:** 3
  *or*
- ECON 232 - Introductory Macroeconomics and Social Issues **Credits:** 3
- GEOG 350 - Economic Geography **Credits:** 3
  *or*
- GEOG 440 - Regional Geography **Credits:** 3, R12
  *or*
- 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.*
• 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 318 - Political Communication Credits: 3
• PSC 322 - Public Administration Credits: 3
• PSC 327 - State and Local Government Credits: 3
• PSC 494 - Seminar: American Political Systems 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.

Spanish, B.S.E.D.
Total number of hours in the program: 127.

It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language.

Admission to the Spanish Education Program
Students seeking admission to the Spanish Education Program must declare their major and meet the requirements for admission to the Teacher Education Program Teacher Education Program.

Admission to the Professional Education Sequence
Students in Professional Education must be admitted to the Teach Education Program and are subject to all of the teacher education requirements. EDCI 201 is the only course in the professional sequence that may be taken prior to admission to teacher education.

Continuation in the Spanish Education Program
To continue in the program, students must meet the continuation requirements of the Teacher Education Program Teacher Education Program.

Liberal Studies Hours: 42
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
• SPAN 420 - Teaching Foreign Language Credits: 3
• EDSE 483 - Secondary/Special Subject Area Internship I Credits: 2-3
• EDSE 490 - Supervised Student Teaching Credits: 6
• EDSE 495 - Seminar Credits: 3
• SPAN 491 - Student Teaching, 9-12 Credits: 3

**Major Requirements**

The major requires 33 hours above SPAN 102.

SPAN 101 and 102 are not part of the major, but a preparation for it. The BSEd requires 33 credit hours above 102, distributed as follows: Basic Sequence (6 hours), Core (15 hours) + 4 electives (12 hours). The BSEd in Spanish requires enrollment in the BA in Spanish.

**Preparatory Core (6 hours)**

- SPAN 101 - Experiencing Spanish and the Spanish-Speaking World Credits: 3
- SPAN 102 - Experiencing Spanish and the Spanish-Speaking World II Credits: 3

**Basic Sequence (6 hours)**

- SPAN 231 - Intermediate Spanish I Credits: 3 (emphasis on conversation and writing)
- SPAN 232 - Intermediate Spanish II Credits: 3 or (emphasis on conversation and writing)
- SPAN 240 - Accelerated Intermediate Spanish Credits: 6

**Core (15 hours to choose among the following)**

- SPAN 301 - Spanish Conversation and Composition I Credits: 3
- SPAN 321 - Hispanic Cultures I Credits: 3
- SPAN 331 - Literature of Spain Credits: 3
- SPAN 332 - North American & Caribbean Literature in Spanish Credits: 3
- SPAN 333 - South American Literature in Spanish Credits: 3
- WLL 311 - Introduction to Linguistics Credits: 3

**Electives (12 hours from the following)**

- SPAN 421 - The Feminine in Hispanic Literature Credits: 3
- SPAN 433 - Writing from the Margins: Literature of Dissent and Protest in the Spanish-Speaking World Credits: 3
- SPAN 441 - Laughter and Tears Credits: 3
- SPAN 461 - Spanish Phonology and Phonetics 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

**Additional requirements**

Immersion Requirement: Language majors are required to fulfill an Immersion Requirement through participation in a study abroad program or a travel course in a country of the target language. No more than 15 credit hours transferred from a foreign institution can be applied towards the major. Alternatively, residence in the Spanish
House can be used to fulfill the Immersion Requirement. Other options can be approved at the student's request in consultation with a sponsoring faculty member and with the Department Head's approval.

General electives (24 hours) are required to complete the program. At least 32 hours of the courses taken at Western Carolina University must be at the junior-senior level to meet one of the general university degree 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 major will be accepted.

Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/cas/casdepts/world-languages/span/ to view the 8 semester curriculum guide.
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. The faculty is 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 its faculty to assist business and industry and support economic development. The College's Center for Rapid Product Realization facilitates this engagement. Courses as well as individual students, have the opportunity to 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 advanced requirements of engineering and technology-related software, more advanced laptop specifications may be found on our website at https://cet.wcu.edu.

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
Occupational Safety Certificate

Students may elect to include in their programs of study a 14-15 hour sequence in the area of occupational safety. Emphasis is placed on interpretation, application, and administration of the Occupational Safety and Health Act and other regulations to assist students to develop 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.

- **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
- **EMC 240 - Introduction to Emergency Medical Care** Credits: 4

Plus

- **ET 335 - Occupational Safety Standards** Credits: 3
- **ET 336 - Environmental Instrumentation** Credits: 3
- **ET 337 - Management of Safety Systems** Credits: 3
  - or their equivalents

### 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*

**Dr. George Ford, School Director**

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

**Construction Management, B.S.**

Total number of hours for the program: 124.

**Liberal Studies Hours: 42**

Liberal studies courses that must be taken for the Construction Management major are the following:

- **ECON 231 - Introductory Microeconomics and Social Issues** P1
Major Requirements
The major requires the following 79 hours of courses:

- 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 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 424 - Facilities Management 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
- CM 496 - Professional Development Seminar Credits: 1
- 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

The required internship is completed during the summer before the junior year.

School of Engineering and Technology
Electrical and Computer Engineering Technology, B.S.

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.

Accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org

Liberal Studies Hours: 42

Note:
The major requires 93 hours, 9 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 as follows (3 of which counts as Liberal Studies):

- ECET 211 - Electronic Drafting and Fabrication Credits: 3
- ECET 221 - Digital Integrated Circuits Laboratory Credits: 1
- ECET 231 - Circuit Analysis I Credits: 4
- ECET 242 - Electronic Circuits Credits: 4
- ECET 290 - Computer Engineering Fundamentals Credits: 3
- ECET 312 - Electronic Communication Fundamentals Credits: 4
- ECET 321 - Circuit Analysis II Credits: 4
- ECET 332 - Microcontrollers Credits: 4
- ECET 341 - Advanced Circuit Analysis Credits: 3
- ECET 431 - Microcontroller Interfacing Credits: 4
- ECET 446 - Modern Power Systems Analysis Credits: 4
- ECET 452 - Control Systems Credits: 4
- ECET 461 - Digital Signal Processing Credits: 3
- ECET 464 - Instrumentation Credits: 4
- EE 200 - Computer Utilization Credits: 3
- EE 221 - Logic Systems Design I 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 450 - Engineering Capstone II Credits: 3

Math and Science Requirements (23 hours)
(6 of which count in Liberal Studies)

- 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

For the ECET major, students must complete the following courses with a C or better: ECET 231, ECET 321, and MATH 153. To enroll in the junior and senior level major courses, students must have and maintain a cumulative GPA of 2.2 or higher for courses taken to date at Western Carolina University in the ECET major. 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.

Additional Information
Visit the department's website at https://www.wcu.edu/learn/departments-schools-colleges/cet/undergrad-programs/electric-comp-eng-tech.aspx to view the 8 semester curriculum guide.

Accreditation
The Electrical and Computer Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org/.

Electrical Engineering B.S.E.E.
The B.S.E.E. degree is offered in Cullowhee. Graduates of the program will:

1. Apply their technical knowledge as practicing professionals or engage in graduate education.
2. Work successfully in their chosen career individually and within a professional team environment.
3. Engage in professional development in their profession by adapting to new technology and career challenges.

The B.S.E.E. 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

Accredited by the Engineering Accreditation Commission of ABET, www.abet.org

Liberal Studies Hours: 42

*NOTE:

Four major courses (12 credits) also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139 and PHYS 230. Students must be aware 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.

Major Requirements

The major requires 96 credit hours, which includes 61 in the Electrical Engineering Core, 32 in the Math/Science Core, and 3 in the Technical Elective Core. 12 credit hours in the major also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 230).

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
Technical Elective
Any 3 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 3 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 school's website to view the 8 semester curriculum guide.

Accreditation
The Electrical Engineering Program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/.

Engineering Technology Applied Systems Technology B.S.
Students who declare the Engineering Technology major with an Applied Systems Technology concentration will be admitted to the program, if placed into Precalculus (MATH 146) or above. Exceptions will be considered by the school on a case-by-case basis.

Total number of hours for the program: 125

Liberal Studies Hours: 42

Major Requirements
The major requires 95 hours, 12 of which also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 130), as follows:

Applied Systems Technology (AST) Concentration Requirements
Accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org

- ECET 301 - Electrical Systems Credits: 3
- ENGL 402 - Technical Writing Credits: 3
- ENGR 132 - Engineering Graphics Credits: 3 Contact Hours: 4
- 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 Contact Hours: 4

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• 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
  Contact Hours: 4
• ET 331 - Quality Systems **Credits:** 3 Contact Hours: 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 6: students can select 2 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 270 - Statistical Methods I **Credits:** 3
• MATH 320 - Ordinary Differential Equations **Credits:** 3
• MATH 370 - Probability and Statistics I **Credits:** 3

**Math and Science Requirements**

• CHEM 139 - General Chemistry I **Credits:** 4
• MATH 146 - Precalculus **Credits:** 4
• MATH 153 - Calculus I **Credits:** 4
• MATH 170 - Applied Statistics **Credits:** 3
• PHYS 130 - Introductory Physics I **Credits:** 4

**Additional Requirements**

To graduate with an ET degree, all students must have a cumulative GPA 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 8 semester curriculum guide.

**Accreditation**


**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 B.S. 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

**Engineering, Mechanical, Manufacturing and Electrical Power Concentrations BSE**

The B.S.E. 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 B.S.E. program will:

1. Apply their technical knowledge as practicing professionals or engage in graduate education.
2. Work successfully in their chosen career individually and within a professional team environment.
3. Engage in professional development in their profession by adapting to new technology and career challenges.

The B.S.E. 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, electric machines and drives, and emphasizes fundamental coursework in electrical and mechanical engineering. The Manufacturing concentration focuses on 3D visualization, manufacturing processes, computer aided design 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 hours for the program: 126

**Liberal Studies**

42 semester hours Note: Four courses (12 credits) required for this program also meet Liberal Studies requirements: ENGR 199, MATH 153, CHEM 139, PHYS 230. Students must be aware 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 list of Liberal Studies courses.

**Major Requirements**

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The major requires 96 hours, 12 of which also meet the Liberal Studies requirements (ENGR 199, MATH 153, CHEM 139, and PHYS 230), 31 hours from the Engineering Core, 36 hours from the Mathematics and Science Core, 3 hours from Technical Electives, and 26 hours must be from one concentration only (Mechanical or Manufacturing or Electrical Power).

**Engineering Core (31 hours)**

31 hours of Engineering core are required for all concentrations. The courses in the Engineering core are as follows:

- EE 200 - Computer Utilization **Credits:** 3
- ENGR 132 - Engineering Graphics **Credits:** 3 **Contact Hours:** 4
- 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 (36 hours)**

- 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 hours)**

3 credits of Technical Electives are required. A list of pre-approved technical electives is as follows:

- 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)

**Mechanical Concentration (26 hours)**

- 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 - Measurement and Instrumentation 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 Contact Hours: 4
• ENGR 315 - Electrical Engineering Fundamentals Credits: 3
• ENGR 353 - Thermodynamics Credits: 3

Electrical Power Concentration (26 hours)
• 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 hours)
• 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 Contact Hours: 4
• 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 taken at Western Carolina University.

Additional Information
Visit the school's website to view the 8 semester curricular guide.

Construction Management, Minor
Total number of hours for the program: 24.

Minor Requirements

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The construction management minor is open to non-construction management majors and 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 requires the following 16 hours of courses:

- CM 461 - Land Development I Credits: 5
- CM 462 - Land Development II Credits: 5
- CM 463 - Land Development III Credits: 5
College of Fine and Performing Arts

Office Information:

392 Belk Building
(828) 227-7028

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

Dr. George Brown, Dean
Dr. Andrew Adams, Associate Dean

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

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, the John W. Bardo Fine and Performing Arts Center 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 which engages 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).

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 B.M. Music, Commercial & Electronic Music Concentration or the B.A. Music, Music Industry Option.

Course Requirements:

• 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

_Nine hours selected from the following:_

• 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

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)

• ART 439 - Arts & Entrepreneurship **Credits:** 3  
  _OR_
• MUS 439 - Arts & Entrepreneurship **Credits:** 3  
  _OR_
• THEA 439 - Arts & Entrepreneurship **Credits:** 3  
  _AND_
• ENT 325 - New Venture Creation **Credits:** 3
• FIN 210 - Managing your Money for Financial Success **Credits:** 3

Intensives (6 credits)

No less than six credits, accumulated through repetition of one credit hour courses:

• ART 450 - Arts & Entrepreneurship Intensive **Credits:** 1, R6
• MUS 450 - Arts & Entrepreneurship Intensive **Credits:** 1
• THEA 450 - Arts & Entrepreneurship Intensive **Credits:** 1
School of Art and Design

Office Information:
157 Bardo Arts Center
(828) 227-7210
Website: http://www.wcu.edu/learn/departments-schools-colleges/fpa/artdesign/about-the-school-of-art-and-design/
Erin Tapley, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Art, B.A.
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 Hours: 42

Required Major Courses (18 hours)
- ART 131 - Introductory Drawing Credits: 3
- ART 132 - Two-Dimensional Design Credits: 3
- ART 136 - Art History Survey 1 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:

- 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 II 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, B.F.A 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 Hours: 42**
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)

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)**

Three hours must be taken at the junior-senior level selected from:

- 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

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General Electives (9 hours)
General electives (9 hours from any junior-senior level course).

Art, B.F.A. 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 Hours: 42

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.

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
- ART 479 - Motion Graphics I Credits: 3, R6
- ART 483 - Art Internship Credits: 3

Exploratory Studio Electives (21 hours)
21 hours selected from studio courses at 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)
Art History (6 hours) at the junior-senior level selected from:

- 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)
General Electives (8 hours) are required to complete the program.

Art, B.F.A. 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 Hours: 42

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.

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 (27 hours)

Additional 27 hours of studio courses at the junior-senior level chosen from:

• 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)

21 hours selected from studio courses at 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)
Art History (6 hours) at the junior-senior level selected from:

• 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)
General Electives (8 hours) are required to complete the program.

Interior Design, B.S.
Total number of hours for program: 128.

Liberal Studies Hours: 42

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 6 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)

Select 9 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

Electives

279
General Electives, 5 hours.

**Additional Requirements**

To continue in the program, students must earn a grade of C or better in each IDES course in the major.


**Film and Television Production B.F.A.**

Total number of hours for program: 120.

**Liberal Studies (42 hours)**

**Major Requirements (63 hours)**

- ENGL 278 - Introduction to Film Studies **Credits:** 3
- FTP 150 - Thinking Like A Filmmaker **Credits:** 3
- FTP 250 - Basic Production Techniques **Credits:** 3
- FTP 253 - Introduction to Film Directing **Credits:** 3
- FTP 310 - Introduction to Screenwriting **Credits:** 3
- FTP 335 - Intermediate Cinematography **Credits:** 3
- FTP 357 - Non-Linear Editing **Credits:** 3
- FTP 361 - Intermediate Directing **Credits:** 3
- FTP 365 - Producing **Credits:** 3
- FTP 386 - Production Practicum II **Credits:** 1, R5 (5 hours required)
- FTP 460 - Directing the Documentary **Credits:** 3
- FTP 483 - Internship in Motion Picture/TV **Credits:** 3, R6
- FTP 488 - Senior Project I **Credits:** 2
- FTP 489 - Senior Project II **Credits:** 2
- MUS 383 - Music and Audio in Media **Credits:** 3
- THEA 140 - Acting I **Credits:** 3
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) **Credits:** 3

Take 3 hours from the following screenwriting courses:

- FTP 320 - Adapting the Short Story **Credits:** 3
- FTP 321 - Scene Writing **Credits:** 3
- FTP 406 - Screenwriting II **Credits:** 3
- FTP 409 - Writing the Series **Credits:** 3

Take 6 hours from the following advanced courses:

_A Third Screenwriting Course (FTP 320, 321, 408, 407, 409 or 410)_

- FTP 436 - Digital Cinematography **Credits:** 3
- FTP 457 - Advanced Editing **Credits:** 3
- FTP 461 - Advanced Directing **Credits:** 3

Take 3 hours from the following film studies courses:
• FTP 340 - Filmmakers on Filmmaking Credits: 3
• ENGL 368 - Film Genres Credits: 3, R6
• ENGL 394 - Film Adaptation Credits: 3, R6
• PAR 309 - Philosophy In and Of Film Credits: 3
• PAR 353 - Religion in Film Credits: 3

Other film studies course approved by your advisor.

General Electives (15 hours)

Additional Requirements:
All students must apply and be accepted into the FTP program. Application form and requirements can be found at filmandtv.wcu.edu. Students must maintain a 2.75 overall GPA or better to be accepted and to remain in the FTP program. All FTP students are responsible for reading and abiding by all rules and regulations in the FTP Student Handbook.

School of Music

Office Information:
253 Coulter Building
(828) 227-7242
Website: https://www.wcu.edu/learn/departments-schools-colleges/fpa/music/
Dr. Michael Schallock, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Music, B.A.

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, 373 must (unless exempted) reflect the applied study area; only one will count per semester. All wind and percussion majors in the B.A. program must include a minimum of 1 semester in marching band.

Liberal Studies Hours: 42

Major Requirements
The major requires 45 hours as follows (3 hours for MUS 303 will double count for Liberal Studies P6 but does not satisfy the upper-level perspective requirement): 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

• 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)
  (Six semesters required)
• MUS 371 - University Chorus Credits: (1, R16)
  and/or
• MUS 372 - Concert Choir Credits: (1, R16)
  or
• MUS 373 - Band Credits: (1-2, R16)
  (For a total of six semesters in 371, 372, or 373)
• 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

Six hours of non-performance music electives (Music Industry Option may substitute MUS 378 and 383)

Additional Requirements
To complete the program, 33 hours, including a minimum of 7 hours at the junior-senior level and 6 hours of WLL 101-102 are required. One of the following options or concentrations must be completed:

Minor, Second Major, or Approved Program Hours & 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
  (9 hours required in MUS 489)
• MUS 383 - Music and Audio in Media Credits: 3
  Music Industry Electives (12 hours). Choose from:
• 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

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Additional Information

Visit the department's website at http://music.wcu.edu/ to view the 8 semester curriculum guide.

Music, B.M.

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 B.M. program, marching band is required only in the Instrumental Music Education Concentration.

A minimum GPA of 2.5 is required for graduation with the B.M. degree.

Liberal Studies Hours: 42

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 371 - University Chorus Credits: (1, R16)  
  and/or
- MUS 372 - Concert Choir Credits: (1, R16)  
  or
• MUS 373 - Band Credits: (1-2, R16)  
(For a total of six semesters in 371, 372, or 373)
• MUS 418 - Music History I: Music Before 1750 Credits: 3
• MUS 419 - Music History II: Music after 1750 Credits: 3

Concentrations

Music Education

Students receiving the B.M. degree in Music with a concentration in Choral/General or Instrumental Music Education will also receive the B.S.Ed. 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 B.M. 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 prior to 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 (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

Two hours of general electives are required to complete the degree.

And (5) five hours of Music Education electives, selected from:

• 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
EDSE 484 - Supervised Internship Credits: (1-3)

Instrumental Music (24 hours)
All wind and percussion majors in the Instrumental Music concentration must include a minimum of 3 semesters in a concert band and 2 semester 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, 3 hours in one secondary applied wind instrument or percussion is required in lieu 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

And 3 three hours of Music Education Electives, selected from:
- 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
- EDSE 484 - Supervised Internship Credits: (1-3)

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
- 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 (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 B. M. 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

And 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 program also requires the following:

• MUS 375 - Ensemble Credits: (1, R24)
  (2 hours required)
• MUS 470 - Orchestration and Arranging Credits: 2
• MUS 474 - Entrepreneurship in Music, Senior Project Credits: 1

And twelve (12) hours of music electives selected from below:

Only if not used for 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 Hours: 26
A minimum GPA requirement of 2.50 is required for acceptance, maintaining and graduating in the Performance concentration in the B. M. degree program.
• 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)*

**Two hours selected from:**

• MUS 371 - University Chorus **Credits:** (1, R16)
  *or*
• MUS 372 - Concert Choir **Credits:** (1, R16)
  *or*
• MUS 373 - Band **Credits:** (1-2, R16)

**Twelve hours selected from the following groups:**

**Pedagogy, Literature, and Improvisation: 3 hours**

• 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**

• 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:**

voice majors must substitute:

• MUS 258 - Diction for Singers I **Credits:** 1
• MUS 259 - Diction for Singers II **Credits:** 2

**Additional Requirements**

The program also requires the following:

• 6 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**

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Three 3 hours of general university electives are required to complete the program.

**School of Stage and Screen**

*Office Information:*
279 Belk Building
(828) 227-7491


Dr. Jayme McGhan, Director, School of Stage and Screen

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

**Stage & Screen, B.A.**

Total number of hours for the program: 120.

Stage & Screen major requires 57 hours as follows (Foundation Core, Skills Core, Production, MFL, Elective) and a 2.5 GPA and must audition or have a review of portfolio for acceptance to the program.

**Liberal Studies Hours: 42**

**Foundations Core: (21 hours)**

- ENGL 278 - Introduction to Film Studies **Credits:** 3
- FTP 150 - Thinking Like A Filmmaker **Credits:** 3
- THEA 131 - Introduction to Professions **Credits:** 3
- THEA 400 - History of the Theatre I **Credits:** 3
- THEA 495 - B.A. Senior Project **Credits:** 3
  
  *6 hours from the 3 courses below:*

- THEA 302 - Dramatic Literature and Criticism **Credits:** 3
- ENGL 378 - Motion Picture Histories **Credits:** 3 or any second level critical film course 300/400 (advisor approved).
- THEA 401 - History of the Theatre II **Credits:** 3

**Skills Core: (24 hours)**

- FTP 250 - Basic Production Techniques **Credits:** 3
- FTP 253 - Introduction to Film Directing **Credits:** 3
- FTP 310 - Introduction to Screenwriting **Credits:** 3
- THEA 140 - Acting I **Credits:** 3
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) **Credits:** 3
- THEA 235 - Stage Management **Credits:** 3
- THEA 237 - Costume Crafts and Makeup **Credits:** 3
- THEA 332 - Introduction to Design for Stage and Screen **Credits:** 3

**Production Credits (3 hours):**

Must take both production classes below and repeat one of your choice.
Electives
3 hours + 6 hours of Modern Foreign Language (any level)

NOTE: Strongly recommend Internship, Dance, or Directing.

Additional Requirements
21 hours in Design/Tech concentration, General concentration, minor, second major or approved program. 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 http://www.wcu.edu/learn/departments-schools-colleges/FPA/schools-departments-and-centers/stagescreen/index.asp to view the 8 semester curriculum guide.

Theatre Concentration: Design/Tech (21 hours)
12 hours must be at junior-senior level.

- THEA 270 - Theatre Arts Workshops I Credits: 1, R4
- THEA 370 - Theatre Arts Workshops II Credits: 2, R6
- THEA 432 - Design I Credits: 3
- THEA 442 - Design II Credits: 3
- THEA 438 - Period Styles Credits: 3
  or
  ART/IDES Elective 3
  6 hours from:
  - THEA 333 - Scenic Technology Credits: 3
  - THEA 335 - Lighting Technology Credits: 3
  - THEA 337 - Costume Technology Credits: 3

Stage & Screen Concentration General
Requires 21 hours from the following (12 hours at the junior-senior level):

Note: Intended for students interested in a variety of fields including: stage management, directing, producing, screenwriting, etc.

- THEA 270 - Theatre Arts Workshops I Credits: 1, R4
- THEA 370 - Theatre Arts Workshops II Credits: 2, R6
  or
- FTP 386 - Production Practicum II Credits: 1, R5
- THEA 483 - Internship in Theatre Arts Credits: 3, R9
  or
- DA 253 - Social/Ballroom Dance Credits: 1
- DA 258 - Dance Techniques Credits: 2, R6
- DA 259 - Dance Appreciation Credits: 3
- FTP 335 - Intermediate Cinematography Credits: 3
FTP 357 - Non-Linear Editing Credits: 3  
FTP 361 - Intermediate Directing Credits: 3  
FTP 365 - Producing Credits: 3  
FTP 406 - Screenwriting II Credits: 3  
FTP 460 - Directing the Documentary Credits: 3  
FTP 483 - Internship in Motion Picture/TV Credits: 3, R6  
FTP 493 - Special Topics in Motion Picture Production Credits: 3, R9  
THEA 220 - Stage Movement Credits: 3  
THEA 240 - Voice and Articulation Credits: 3  
THEA 271 - Theatre in Education Workshop I Credits: 3  
THEA 310 - World Theatre Credits: 3  
THEA 330 - Makeup II Credits: 1  
THEA 333 - Scenic Technology Credits: 3  
THEA 335 - Lighting Technology Credits: 3  
THEA 337 - Costume Technology Credits: 3  
THEA 340 - Acting II Credits: 3  
THEA 345 - Acting for the Camera I Credits: 3  
THEA 350 - Directing I Credits: 3  
THEA 389 - Cooperative Education in Theatre Arts Credits: 1-3, R6  
THEA 432 - Design I Credits: 3  
THEA 486 - Theatre Production Credits: 3, R12  
THEA 493 - Selected Topics in Theatre Studies Credits: 1-3, R9

Handbooks
Theatre Handbook: All Students are required to read and adhere to the School's Theatre Handbook.

Motion Pictures Handbook: All students are required to read and adhere to the School's Motion Pictures Handbook.

Probation and Dismissal:

Probation

a. If your overall GPA is below 2.5, you will be placed on probation. Such students will receive notification of probation in writing, a copy of which will be placed in your advising folder. During this one semester probationary period you must raise your overall G.P.A. to a minimum 2.5 or you will be dismissed from the program. If, after the probationary period, your overall G.P.A. is still below the required minimum of 2.5, you may appeal in writing for one additional semester in order to raise your G.P.A. Faculty will consider these requests, using the following criteria:

- Likelihood of achieving a 2.5 in one semester.
- Student’s demonstrated effort in current classes.
- Student’s overall performance in the program.

b. Probation may be imposed for other infractions not deemed of the level for dismissal (see Student Code of Conduct).

c. Students offered probation must sign a probation agreement which will go in their record.
d. Probation is offered for one semester. If at the end of that period the issue is resolved, student will return to good standing. If the issue is not improved or resolved, student will face dismissal from the program. Student may request in writing an additional semester to resolve the issue. Faculty will determine if that request is granted, based on the criteria listed above.

e. Students should understand that artistic merit is an important attribute of any professional. Therefore, a student's artistic promise may be taken into consideration in any decision regarding probation and dismissal.

Dismissal

a. A history of academic probation (two semesters or more) is grounds for dismissal. Such students may request an opportunity to prove their academic commitment to the program.

b. Infractions of the Student Code of Conduct, in addition to any penalties imposed by the University, could lead to dismissal from the Theatre program.

c. Any other disciplinary actions during the academic year may be grounds for dismissal.

Appeal Process

a. Students will be informed in writing of dismissal within one week of their interview. Reasons must be stated in this document. Faculty will then advise the student and help facilitate enrollment in another major.

b. Students may submit a written statement to Program Director and Department Head stating reasons why they should remain in the program. Once an appeal has been submitted:
   - Faculty must meet to consider the appeal
   - If appeal is accepted, student may still be put on probation.
   - If the appeal is denied, student may appeal to the Department Head.
   - Department Head may ask the faculty to reconsider the appeal. Faculty shall then meet with Department Head to discuss the appeal. Faculty will then vote on appeal, and faculty's decision shall be final and binding.

Theatre, B.F.A.

Total number of hours for program: 128.

Admission to the Bachelor of Fine Arts in Theatre

Entrance into the program will require the following:

The Theatre B.F.A. degree is performance based and has an audition component to its requirements for admission.

All students must have and maintain a 2.5 G.P.A.

B.F.A. Acting Concentration:

Audition dates are scheduled for the spring semester each year. Please download, complete and return an Audition Application Form (Word). You must also be admitted to Western Carolina University. Please visit the Office of Admissions for admissions requirements and the application process.

Auditionees must perform two contrasting, contemporary monologues. These monologues must be two minutes or less each.

Auditionees must bring a headshot or recent picture that will be kept on file.
Auditionees must bring or send in two letters of recommendation.
Auditionees must bring in or send in a resume.
Auditionees must submit a short essay; B.F.A's on "Why you want to major in Acting."
Auditionees may bring video/DVD of other work.

B.F.A. Musical Theatre Concentration

Admittance to WCU's Musical Theatre Program is by audition only; the entire audition must be memorized.

Audition dates are scheduled for the spring semester each year. Please download, complete and return an Audition Application Form (Word). You must also be admitted to Western Carolina University. Please visit the Office of Admissions for admissions requirements and the application process.

Singing

Applicants must prepare two songs from the standard Broadway repertoire: a ballad that shows a sustained legato line and an "up tempo" number. An accompanist will be provided in Cullowhee.

The audition may also include tonal memory exercises and melodic and rhythmic sight singing. The student must demonstrate musical skills and a voice of sufficient quality and expression in order to be admitted to his/her chosen program of study.

Acting

Auditionees must perform a comical or dramatic monologue from a contemporary play or musical.

Dancing

All candidates must participate in a dance class (warm-up and several combinations) Auditionees must wear standard rehearsal attire or clothing and shoes that allow for ease of movement. Sandals and tennis shoes are not considered proper attire.

Liberal Studies Hours: 42

Major Requirements

The major requires 128 hours as follows:

Liberal Studies, 42 hours

Required Theatre Core Courses, 35 hours

Performance Concentration Acting or Musical Theatre, 51 hours

Required Courses:

Required Theatre Core Courses for all B.F.A. students, 35 hours:

- DA 258 - Dance Techniques Credits: 2, R6
- THEA 131 - Introduction to Professions Credits: 3
- THEA 140 - Acting I Credits: 3
- THEA 170 - Theatre Production Seminar Credits: 1
- THEA 237 - Costume Crafts and Makeup Credits: 3
- THEA 240 - Voice and Articulation Credits: 3
- THEA 270 - Theatre Arts Workshops I Credits: 1, R4
- THEA 302 - Dramatic Literature and Criticism Credits: 3
- THEA 332 - Introduction to Design for Stage and Screen Credits: 3
- THEA 350 - Directing I Credits: 3
- THEA 400 - History of the Theatre I Credits: 3
- THEA 401 - History of the Theatre II Credits: 3
- THEA 496 - Seminar in Professional Development Credits: 1
- THEA 499 - BFA Thesis/Senior Showcase Credits: 2

Choose one of from below:

- THEA 172 - Theatre Production: Stagecraft Credits: (1, R2)
- THEA 173 - Theatre Production: Costume Credits: (1, R2)

**Acting Concentration-51 hours**

- 13 hours from THEA: 2601, 340, 341, 345, 346, 441
- 6 hours from THEA: 220, 351, 320
- 8 hours from DA: 253, 255, 260, 261, 262, 263, 264, 303, 304, 305, 306
- 3 hours from ENGL 431, THEA 310
- 6 hour performance credits: THEA 270 + 5 hours from THEA 370, 486
- 15 hours elective in THEA, DA, MUS, MPTP

Note: We strongly recommend THEA 483 Internship as an elective

**Musical Theatre Concentration-51 hours**

**Music Credits: 28 credits**

- 3 hours from MUS 371 or MUS 372
- 3 hours from MUS 376
- 2 hours of MUS 106
- 2 hours of MUS 206
- 2 hours of MUS 306
- 2 hours of MUS 406
- MUS 108 - Aural Skills I: Fundamentals of Sight Singing Credits: 1
- MUS 118 - Music Theory I: Fundamentals Credits: 3
- 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 410 - History of American Musical Theatre Credits: 3
- MUS 493 - Topics in Music Credits: (1-3, R12)

**Theatre Credits: 15 credits**

- THEA 220 - Stage Movement Credits: 3
• THEA 260 - Dialects **Credits:** 1
• THEA 340 - Acting II **Credits:** 3
• THEA 341 - Acting III **Credits:** 3

*5 hours performance credits: THEA 270 + 4 hours from THEA 370, 486*

**Dance Credits: 5 credits**

• 3 hours from DA: 255, 261, 262, 263, 264
• 2 hours from DA: 303, 305, 306

(Students must achieve a level two proficiency in one of the following: Ballet, Tap or Jazz.)

**3 hours General Elective**

*Note: If MUS 410 is taken to satisfy the P5 requirement then the electives increase to 6 credits.*

**Theatre Handbook:** All students are required to read and adhere to the School's Theatre Handbook.

**Probation and Dismissal:**

**Probation**

a. If your overall GPA is below 2.5, you will be placed on probation. Such students will receive notification of probation in writing, a copy of which will be placed in your advising folder. During this one semester probationary period you must raise your overall G.P.A. to a minimum 2.5 or you will be dismissed from the program. If, after the probationary period, your overall G.P.A. is still below the required minimum of 2.5, you may appeal in writing for one additional semester in order to raise your G.P.A. Faculty will consider these requests, using the following criteria:

• Likelihood of achieving a 2.5 in one semester.
• Student’s demonstrated effort in current classes.
• Student’s overall performance in the program.

b. Probation may be imposed for other infractions not deemed of the level for dismissal (see Student Code of Conduct).

c. Students offered probation must sign a probation agreement which will go in their record.

d. Probation is offered for one semester. If at the end of that period the issue is resolved, student will return to good standing. If the issue is not improved or resolved, student will face dismissal from the program. Student may request in writing an additional semester to resolve the issue. Faculty will determine if that request is granted, based on the criteria listed above.

e. Students should understand that artistic merit is an important attribute of any professional. Therefore, a student's artistic promise may be taken into consideration in any decision regarding probation and dismissal.

**Dismissal**

a. A history of academic probation (two semesters or more) is grounds for dismissal. Such students may request an opportunity to prove their academic commitment to the program.
b. Infractions of the Student Code of Conduct, in addition to any penalties imposed by the University, could lead to dismissal from the Theatre program.

c. Any other disciplinary actions during the academic year may be grounds for dismissal.

Appeal Process

a. Students will be informed in writing of dismissal within one week of their interview. Reasons must be stated in this document. Faculty will then advise the student and help facilitate enrollment in another major.

b. Students may submit a written statement to Program Director and Department Head stating reasons why they should remain in the program. Once an appeal has been submitted:
   - Faculty must meet to consider the appeal
   - If appeal is accepted, student may still be put on probation.
   - If the appeal is denied, student may appeal to the Department Head.
   - Department Head may ask the faculty to reconsider the appeal. Faculty shall then meet with Department Head to discuss the appeal. Faculty will then vote on appeal, and faculty’s decision shall be final and binding.

Total hours required for the B.F.A.

To complete the program, a total of 128 hours are required. A student will have only one concentration in the B.F.A. degree. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Students must pass a junior qualifying exam to continue in program.

Students must pass senior capstone recital to meet degree requirements.

Visit the department’s website at http://www.wcu.edu/learn/departments-schools-colleges/FPA/schools-departments-and-centers/stagescreen/index.asp to view the 8 semester curriculum guide.

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:

- **ART 131 - Introductory Drawing** Credits: 3
- **ART 132 - Two-Dimensional Design** Credits: 3

Electives

9 hours of art electives are required, selected with the advice of the head of the art department.

Art History Requirement

Art History (6 hours) selected 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)

Dance, Minor
Total number of hours for the minor: 18

Required Courses
• DA 258 - Dance Techniques Credits: 2, R6
• DA 259 - Dance Appreciation Credits: 3
• DA 260 - Anatomy for Dance Credits: 2
  These classes are required for the Dance Minor. Dance Techniques may be substituted for a level 1 or 2 Ballet class.

Additional Requirements
11 hours selected from:
• DA 253 - Social/Ballroom Dance Credits: 1
• DA 255 - Tap I Credits: 1, R3
• DA 257 - Dance Performance Credits: 1, R3
• DA 261 - Ballet I Credits: 2, R4
• 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
  Students must meet proficiency, at professor’s discretion, to proceed to next level.

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
3 semesters of
  • MUS 358 - Concert Attendance Credits: (0)

2 hours of each of the following:
  • MUS 106 - Applied Minor Credits: (1, R3)
  • MUS 206 - Applied Minor Credits: (1, R3)

Additional Requirements
  • 4 hours in a major ensemble (MUS 371, 372, or 373);
  • and 2 hours of music electives.
College of Health and Human Sciences

Office Information:
207 Belk
(828) 227-7271
Website: http://www.wcu.edu/learn/departments-schools-colleges/HHS/index.aspx

Dr. Doug Keskula, Dean
Dr. David Hudson, Associate Dean Honors

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

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 more 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. Service 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 educating and 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. The following programs in the School of Health Sciences require students declaring a major or pre-major to have daily access to a laptop computer that meets the standard university networking and hardware configuration requirements: ATTR, EMC, ENVH, ND and RTH.
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. A student may be denied participation in an internship/clinical education rotation if he/she has a positive drug screen or a record of any felony or misdemeanor conviction. 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.

If a student is denied participation in an internship/clinical education rotation based upon the results of a criminal background or drug screen, the student may be removed from the academic program; provided, however, that prior to removal the student is given the opportunity to appear before a review committee.

Undergraduate Programs

Majors: 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
Dr. Billy Ogletree, Department Head
http://www.wcu.edu/contact-wcu/faculty/staff-directory.asp (search by department)

Communication Sciences And Disorders, B.S.
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 Hours: 42

Major Requirements
The major requires 42 hours as follows:

- 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. Visit the department's website at http://commdis.wcu.edu to view the 8 semester curriculum guide.
Physical Therapy

Office Information:
226 HHS Building
(828) 227-7070
Website: http://www.wcu.edu/learn/departments-schools-colleges/HHS/pt/index.aspx
Dr. Karen Lunnen, Department Head
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

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)

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. Erica P. Zimmerman, Director, School of Health Sciences
http://www.wcu.edu/discover/contact-wcu/faculty/staff-directory.asp (search by department)

Athletic Training, B. S.
Total number of hours for program: 123.

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. 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 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. In order to
be provisionally admitted, students must have been completed ATTR 150 with a grade of C+ or better and have a minimum overall GPA of a 2.0. Students must have been provisionally admitted to the program for a minimum of one semester in order 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 admissions 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, evenings. Additionally, students may be required to return to campus prior to 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 Hours:** 42

**Major Requirements**
The major requires 72 hours as follows:

-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

General electives, 9 hours.

Visit the department's website at http://www.wcu.edu/WebFiles/AT8SemPlan2015.pdf to view the 8 semester curriculum guide.

Emergency Medical Care, B.S.

Total number of hours for program: 128.

Declaration of a major in Emergency Medical Care 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.

Minimum GPA Requirement: 2.5

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 Pre-requisites: 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.

Retention in the Program: 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.
Major Requirements:

The major requires at least 82 hours (excluding General Electives):

- EMC 240 - Introduction to Emergency Medical Care Credits: 4  
  (Course to be completed before the junior-year)
- EMC 241 - Basic Emergency Medical Techniques Credits: 2  
  (Course to be completed before the junior-year)
- EMC 320 - Introduction to Pharmacology Credits: 3
- EMC 321 - Pharmacology Techniques Credits: 1
- EMC 340 - Introduction to Clinical Medicine Credits: 2
- EMC 341 - Introduction to Clinical Medicine Lab Credits: 1
- EMC 350 - Cardiology Credits: 2
- EMC 351 - Basic ECG Interpretation Credits: 1
- EMC 352 - Cardiology Lab Credits: 1
- EMC 360 - Acute Fluid and Respiratory Disorders Credits: 3
- EMC 361 - Advanced Emergency Medical Techniques Credits: 1
- EMC 370 - Medical Emergencies Credits: 3
- EMC 381 - Clinical Practicum I Credits: 1
- EMC 382 - Clinical Practicum II Credits: 1
- EMC 410 - Trauma Management Credits: 2
- EMC 411 - Trauma Management Lab Credits: 1
- EMC 420 - Maternal and Child Emergency Care Credits: 3
- EMC 421 - Maternal and Child Emergency Care Lab Credits: 1
- EMC 430 - Special Needs Patients Credits: 1
- EMC 451 - Advanced ECG Interpretation Credits: 1
- EMC 452 - Critical Cardiac and Resuscitation Management Credits: 1
- EMC 461 - Simulation Laboratory Credits: 1
- EMC 483 - Clinical Practicum III Credits: 3
- EMC 484 - Clinical Practicum IV Credits: 1-3
- EMC 485 - MICU Practicum Credits: 4
- EMC 496 - Senior Seminar in Emergency Medical Care Credits: 2
- HSCC 330 - Legal and Legislative Aspects of Health Care Credits: (1-3)
- HSCC 470 - Research Methods in Health Science Credits: 3
- BIOL 291 - Human Anatomy and Physiology I Credits: 4  
  (Course to be completed before the junior-year. Must earn a C (2.0) or better.)
- BIOL 292 - Human Anatomy and Physiology II Credits: 4  
  (Course to be completed before the junior-year. Must earn a C (2.0) or better.)
- CHEM 132 - Survey of Chemistry I Credits: 4  
  (Course to be completed before the junior-year. For the Health Management Concentration)
- CHEM 133 - Survey of Chemistry II Credits: 4  
  (Course to be completed before the junior-year. For the Health Management Concentration)
- CHEM 140 - General Chemistry II Credits: 4
Concentration
Concentration selected from:

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
   PLUS - 3 additional hours of BIOL or CHEM courses

Health 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

Wilderness Medicine Concentration: Inactive

Electives
General electives (3 hours) and 6 hours in the major that also count for Liberal Studies C5. 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 8 semester curriculum guide.

Environmental Health, B.S.
Total number of hours for program 124

Declaration of 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 in order 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 Hours: 42

Major Requirements
The major requires 74 (Core plus Concentration) 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 331 - Environmental Organic Chemistry Credits: 4
ENVH 230 - Introduction to Environmental Health Science Credits: 3
ENVH 270 - Biological Basis of Disease Credits: 3
ENVH 310 - Water Quality Control Credits: 3
ENVH 311 - Water Quality Control Laboratory Credits: 1
ENVH 330 - Food Protection and Sanitation Credits: 3
ENVH 331 - Food Protection and Sanitation Laboratory Credits: 1
ENVH 375 - Environmental Toxicology Credits: 3
ENVH 430 - Medical Entomology Credits: 3
ENVH 431 - Medical Entomology Laboratory Credits: 1
ENVH 440 - Air Quality Control Credits: 3
ENVH 450 - Quantitative Air Analysis Credits: 2
ENVH 457 - Industrial Hygiene Credits: 3
ENVH 458 - Environmental Regulation and Law Credits: 3
ENVH 460 - Senior Seminar in Environmental Health Credits: 1
ENVH 470 - Principles of Epidemiology Credits: 4
ENVH 483 - Environmental Health Internship Credits: 1-3, R6
MATH 146 - Precalculus Credits: 4
PHYS 130 - Introductory Physics I Credits: 4

Total 64 hours

Concentration 10 hours
Concentration: 10 hours in such areas as environmental health (ENVH), chemistry (CHEM), environmental science (ES), natural resources management (NRM), biology (BIOL), geology (GEOL) and foreign language are required. A minimum of 4 concentration hours must be designated C5 (Science) hours. The area of concentration will be chosen in conjunction with the student's advisor.

General Electives 8 hours
General electives (8 hours) are required to complete the program.

Total Hours: 124


Nutrition and Dietetics, B.S.
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 30th 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 Pre-requisites: 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, 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, 133, BIOL 140, 291, 292, 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 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 Hours: 42

Major Requirements

Nutrition and Dietetics Major Prerequisite Requirements: 37 hours

(12 hours of prerequisites will meet liberal studies 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

307
- ND 303 - Quantity Food Production Lab Credits: 1
- ND 304 - Nutritional Assessment Lab Credits: 1
- 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 336 - Nutrition Interviewing and Counseling Skills Credits: 1
- 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 1 Credits: 1
- ND 454 - Medical Nutrition Therapy II Lab Credits: 1
- ND 461 - Nutrition and Dietetics Capstone Credits: 1

Note: 12 hours of Liberal Studies requirements will be met by completing the major core requirements.

Recreational Therapy, B.S.

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 and before beginning the professional sequence of courses and/or proceeding into clinical placements. 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 suspension, and termination refer to the Recreational program website linked from the School of Health Sciences.

Minimum GPA Requirement: 2.5

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. 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 http://www.wcu.edu/learn/departments-schools-colleges/HHS/hhs-schools-depts/healthsci/health-sciences-majors/rth/index.asp to view the 8 semester curriculum guide.
Required Pre-requisites: None

Retention in the Program: 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.

Liberal Studies Hours: 42

Major Requirements

The major requires 71 hours as follows:

- 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

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 7 hours of electives available.

School of Nursing
Nursing, B.S.N. 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.

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.

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. 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) may be required.

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 Hours: 42**

**Nursing Major Prerequisite Requirements (20 hours)**

- 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 132 - Survey of Chemistry I **Credits:** 4
  - or
- CHEM 139 - General Chemistry I **Credits:** 4
  - or
- CHEM 140 - General Chemistry 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:** (1-2)
- 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)

*NOTE: 12 hours of Liberal Studies requirements will be met by nursing Prerequisites:*

3 hours (C2) 6 hours (C5) 3 hours (P1)

**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
**Electives (6 hours)**

General electives (6 hours) are required to complete the program, depending on liberal studies courses chosen. Visit the department's website at http://www.wcu.edu/learn/departments-schools-colleges/HHS/hhs-schools-depts/nursing/index.asp to view the 8 semester curriculum guide.

**Nursing BSN Degree RN to BSN**

**RN to BSN Nursing Program**

To be admitted to the program, students must satisfy the following admission prerequisites:

- A current, unrestricted license to practice as an RN within the United 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 2.5 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 program is only for persons who**

- Have a current, unrestricted license to practice as an RN within the US OR will have such a license before starting WCU NSG courses.
- 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.
Total number of hour for the program: 122.

Liberal Studies Hours: 42

Major Requirements
The major requires 72 hours as follows:

- BIOL 291 - Human Anatomy and Physiology I Credits: 4
- BIOL 292 - Human Anatomy and Physiology II Credits: 4
- ENVH 260 - Etiology of Infectious Diseases, Lecture Credits: 2
  and
- ENVH 261 - Etiology of Infectious Diseases Laboratory Credits: (1-2)
  (or approved substitute)
- NSG 301 - Professional Transitions in Nursing Credits: 3
- 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 398 - APA Writing Style and Format Credits: 1
- NSG 399 - Clinical Update for RN’s Credits: 2
  Block credit by School of Nursing validation on successful completion of NSG 399. 30 hours.
- NSG 460 - Nursing Leadership I: Theory 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
- NSG 483 - Nursing Leadership II: Practicum Credits: 2
- NSG 484 - Nursing Leadership III: Intervention Project Credits: 1
- PSY 150 - General Psychology Credits: 3

Plus

- CHEM 132 - Survey of Chemistry I Credits: 4
  or
- CHEM 133 - Survey of Chemistry II Credits: 4
  or
- CHEM 140 - General Chemistry II Credits: 4
  or one college-transfer chemistry course with a lab

Electives
General electives (8 hours) are required from WCU at the upper-division level to satisfy degree requirements.

RN to MS(N) early-entry option:

Purpose: To assist selected RNs with good academic records to move smoothly through the RN to BSN curriculum directly into MS(N) study for advanced nursing roles. Normally, the student would take up to 8 semester hours of WCU undergraduate upper-division electives to complete the BSN. These electives could be replaced with up to 8 hours of WCU MS(N) graduate-level work, reducing the time needed to complete both degrees by one semester.
Students interested in this option should consult with both their RN to BSN advisor and the RN to MS(N) advisor.

Application requirements for the RN to MS(N) early-entry option:

- Admission to and enrollment in the WCU RN to BSN program.
- Completion of at least 12 of the required 24 hours of WCU RN to BSN NSG courses, with projected completion of the remaining hours before or during the semester of application to the WCU RN to MS(N) early-entry option.
- GRE or MAT submitted with acceptable scores
- Statistics course completed from any accredited institution in any discipline
- GPA of 3.00 on last 60 hours or cumulative post-secondary GPA of 2.85
- Professional statement and resume

Enrollment in the RN to MS(N) entry option does not guarantee admission to the MS(N) program. Admission of the RN to MS(N) applicant is provisional until the BSN is successfully completed.

If RN students are admitted provisionally to the early-entry option at WCU, this option replaces the WCU undergraduate upper-division electives needed for the RN to BSN with up to eight hours of MS(N) graduate credits. The BSN is then awarded by WCU.

If RN students are admitted provisionally to the early-entry option at WCU but elect not to finish it, they may apply any combination of WCU undergraduate upper-division electives with WCU MS(N) graduate credits for a total of eight hours to complete the BSN.

If RN students are not admitted provisionally to the early-entry option at WCU, they may still complete the BSN by taking eight hours of WCU undergraduate upper-division electives.

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

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 first 3 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 is based on cumulative GPA (3.00) minimum on all previous undergraduate college work or unweighted high school GPA if less than 20 hours of college coursework, and applicable 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 website, http://nursing.wcu.edu.

**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 all admissions requirements (GPA and testing). Refer to the nursing website (http://nursing.wcu.edu) for application deadlines.

**Required Pre-requisites:** 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 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 website, http://nursing.wcu.edu.

**Traditional RIBN Program:**

**First Year (32 semester hours)**

**Fall**  
Liberal Studies Perspectives course 3

**Spring**  
PSY 150 - General Psychology **Credits:** 3

Community College Courses (26 hours)

**Sophomore Year (40 Semester Hours)**

**Fall**  
Liberal Studies Perspectives course 3

**Spring**  
Liberal Studies Perspectives course 3

**Summer**  
- NSG 346 - Pathophysiology for Nursing **Credits:** 3

Community College Courses (31 hours)

**Junior Year (32 semester hours)**

**Fall**  
Upper Level Perspectives course 3

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 completed at the time of admission to the program. The applicant would be admitted to Year 2 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 2 and 3 of the program. The student would transition to the traditional Year 4 curriculum as appropriate.

Inclusive/Innovative RIBN program (iRIBN)
The iRIBN applicant enters into the RIBN program at Year 2 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)

Social Work

Social Work, B.S.W.

The undergraduate program offers a Bachelor of Social Work (BSW) degree as preparation for a number of 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 Hours: 42

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 in order to remain in the program. Students must complete an application and submit it to the department office by the third Monday in September or third Monday of February. 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 above.

BSW Major Requirements
42 hours Liberal Studies + 63 hours Social Work + 15 hours General Electives = 120 hours

Liberal Studies Requirements: 42 hours
Social Work Curriculum: 63 hours
A grade of C (2.0) or better is required in the following courses:

- BIOL 104 - Human Biology 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 402 - Diversity in Contemporary Society Credits: 3
- SOCW 486 - Field Practicum Credits: (12)
- SOCW 496 - Field Practicum Seminar Credits: 3
9 hours of Social Work electives

General Electives: 15 hours
General electives courses are considered any course whereby WCU grants course credit. Students are at liberty to pursue other areas of interest. The Social Work Program has been continuously accredited by the Council of Social Work Education (CSWE) since 1974.

Environmental Health, Minor
Total number of hours for the program: 18.

A minor in environmental health requires 18 hours of Environmental Health courses. At least 12 hours must be at the junior/senior level. ENVH 190 is not a valid course for the minor.
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.** 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 weighted GPA, 3.8 unweighted GPA, 1870 SAT (three part score if test taken prior to March 2016) or 1310 SAT (if test taken after March 2016) or 30 ACT, or top 10% of the high school class. 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. 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, a 3.40 cumulative GPA at 31 to 60 hours, and 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 3 hours of Honors credit each semester; students lacking at least 3 Honors hours will be put on probation after the first term, and then removed from The Honors College if 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 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 graduates wear The Honors College 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:

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. Once the Interdisciplinary Studies degree is approved, the student must follow the plan and all courses required in order to graduate.

For more information or to get started, contact the Dean at 828-227-7383.

**Center for Life Enrichment 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). To complete the program, Honors Scholars must earn the Honors diploma and graduate with a 3.70 cumulative WCU GPA. Honors
Scholars are the only students who wear the silver Honors Scholar medallion at commencement.

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 HS GPA.
2. If there is a weighted cumulative HS GPA, it must be at least 4.50.
3. At least a combined (all three scores) SAT of 1900 and/or
4. At least a 30 composite ACT score.

Students must also complete a successful interview with the process. As a first step for admission, prospects must be invited for an interview. There is no way to apply for the Honors Scholar Program other than being admitted to WCU's Honors College.

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.

To Remain in Good Standing in the Program

CLE Honors Scholars must maintain:

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:

USI 101 (Honors Forum), a 1-hour course and

A specially designated 3-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 particular emphasis in Highlands, Cashiers, and Cullowhee.
**Pre-Professional Programs:** 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. The majority of professional school programs now require a bachelor's degree for admission, although there are still some exceptions. 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. 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 Kloeppel, 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.
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 ten 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 chairman 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.

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Lisa Gaetano, B.S.  Internal Auditor
Lori Lewis, M.Ed.  Internal Auditor
Course Descriptions

**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 B.S.B.A. 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, 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, 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

ANTH 190 - Freshman Seminar: The Human Condition
Examination of various aspects of human cultural behavior. 3 Seminar. 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: (3.0)

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 course is meant to serve as a survey of 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: 2

ANTH 351 - Environmental Anthropology
Relationships between physical environment and culture; nonphysiological means of environmental adaptation. Prerequisites PREQ: 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 366 - Juvenile & Functional Human Osteology
An examination of the juvenile skeleton with a focus on bone growth and functional aspects of the human skeleton. Prerequisites ANTH 300 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 389 - Cooperative Education in Anthropology
See Cooperative Education Program. Credits: (1 or 3, R15)

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 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 that are in danger of no longer being spoken. Students will develop a broad knowledge of the issues that confront minority language communities. 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 477 - Cultures of subSaharan Africa
Cultural diversity and development in subSaharan Africa from earliest times to the present. Credits: 3

ANTH 481 - Independent Study in Anthropology
Independent Study in Anthropology
Prerequisites Written application, approval of instructor and adviser. Credits: (1-2, R6)

ANTH 483 - Anthropology Internship
Application of academic training in an approved agency under faculty supervision. Credit toward anthropology major or minor limited to 3 hours. S/U grading. 9 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 3 hours. S/U grading. 9 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 3 hours. S/U grading. 9 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 PREREQ: ANTH 110, ANTH 120, and one ANTH 400 level elective. Credits: 3

ANTH 493 - Topics in Anthropology
Topics in Anthropology Prerequisites PERMISSION: 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 nonmajors. 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. Prerequisites None 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
Traditional and contemporary art from five basic regions in Asia, South, Southeast, Himalaya, Middle East and Far East. (P6) 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 415 - Life Drawing III
Students will develop advanced individual drawing styles while using the human figure as a model. Prerequisites ART 231 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.
ART 433 - Painting 1V
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 entre   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 449 - 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 450 - 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 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
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 student 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. Corequisites ATTR 350 Credits: 2

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 Program. Credits: 1
ATTR 330 - 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 330 Credits: 3

ATTR 340 - Evaluation 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 350 - 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 350 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 360 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: 4

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 350 & Good Standing in the Athletic Training Program. 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
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 Program. Credits: 3

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 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 Program. Credits: 3
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 meetings. Prerequisites Permission of instructor and Good Standing in the ATTR major. Corequisites ATTR 415 Credits: (8)

ATTR 493 - Topics in Athletic Training
Studies in special areas of interest in athletic training. Prerequisites Permission of instructor. Credits: (1-3, R9)

**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 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 business. Prerequisites ENGL 202. Credits: 3

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

**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). Corequisites 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 PREQ: 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
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 cence 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 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: 3

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 Ecology
Population, ecosystem, community structure, and dynamics; major North American biomes; field and descriptive methods; required weekend field trips. 3 Lecture, 3 Lab/field. Prerequisites BIOL 241; or 304 and 305 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
cub 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
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,
native 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, 3 Lab/field. 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 humans and animals. Prerequisites Junior or Senior standing or permission of instructor. Credits: 3

BIOL 480 - Research in Biology
Research in Biology. Prerequisites Junior standing, permission of research director. Credits: 1-3, R6

BIOL 493 - Studies in Biology
Studies in Biology. Prerequisites Permission of department head. Credits: (1-6, R12)

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: 3

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 313 - Literacy and Numeracy
A study of emergent literacy and numeracy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. Prerequisites Admission to program. 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 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 465 - Portfolio Development and Assessment
Documentation of artifacts illustrating BK knowledge and pedagogical expertise as required by the BK state program of study. Credits: (3, R6)

BK 470 - Early Childhood Curriculum
Materials, environments, and interactions for 2-5 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 480 - Independent Study
Independent Study Prerequisites Permission of instructor. Credits: 1-3, R6

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 488 - Internship II
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with EDEL 488. Credits: (9)

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: (2, R4)

Birth/Kindergarten-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 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

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 Yng 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

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
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; 3 hours weekly in lab per credit hour. Prerequisites 2.5 GPA in major
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 previous 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 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, R4 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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: 3

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, 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

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 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 decisionmaking. 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. Corequisites 
CIS 455. 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. 
Corequisites CIS 453. Credits: 3

CIS 465 - Applications Development III 
Development of client-server business 
applications using enterprise wide databases 
and cross platform and cross product 
functionality and connectivity. Prerequisites 
453 and 455. Credits: 3, R9

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)

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 
broader their global, historical and 
comparative criminal justice perspective. 
This is the epitome of engaged learning 
because students will conduct related 
research and the Credits: 3

CJ 185 - Majoring in Criminology and 
Criminal Justice 
Introduces expectations and needs of majors, 
including the ebriefcase, 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>CJ 347</td>
<td>Gender &amp; Crime</td>
<td>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</td>
</tr>
<tr>
<td>CJ 351</td>
<td>Violence in American Society</td>
<td>Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. Credits: 3</td>
</tr>
<tr>
<td>CJ 354</td>
<td>Comparative Criminal Justice Systems</td>
<td>The course examines systems of law, police, courts, and corrections in different countries in order to demonstrate the diversity in legal systems. Credits: 3</td>
</tr>
<tr>
<td>CJ 355</td>
<td>Theories of Crime</td>
<td>Theories of law, justice, punishment, and crime causation Credits: 3</td>
</tr>
<tr>
<td>CJ 358</td>
<td>Computer Applications &amp; Criminal Justice</td>
<td>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</td>
</tr>
<tr>
<td>CJ 363</td>
<td>Geographic Information Systems in Criminal Justice</td>
<td>Exploration of theory and techniques associated with collection, display, analysis, and storage of geographic information in criminal justice environments. Prerequisites CJ 150 Credits: 3</td>
</tr>
<tr>
<td>CJ 365</td>
<td>Cyber Crimes</td>
<td>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</td>
</tr>
<tr>
<td>CJ 370</td>
<td>Ethics in Criminal Justice</td>
<td>Examination of ethical issues in the criminal justice field. Credits: 3</td>
</tr>
<tr>
<td>CJ 375</td>
<td>White-Collar Crime</td>
<td>An examination of white-collar crimes and the criminal justice response to those crimes. Credits: 3</td>
</tr>
<tr>
<td>CJ 380</td>
<td>Statistical Analysis for Criminology &amp; Criminal Justice</td>
<td>Basic introduction to statistics in a criminal justice setting. Prerequisites CJ 280 Credits: 3</td>
</tr>
<tr>
<td>CJ 385</td>
<td>Issues in Correctional Treatment</td>
<td>An examination of modern corrections through a review of practices, policies, and problems Credits: 3</td>
</tr>
<tr>
<td>CJ 424</td>
<td>Community Corrections</td>
<td>Development, organization, operation, and results of probation and parole systems as substitutes for incarceration. Credits: 3</td>
</tr>
<tr>
<td>CJ 425</td>
<td>Police Practices and Problems</td>
<td>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</td>
</tr>
<tr>
<td>CJ 434</td>
<td>Legal Liability and Criminal Justice Personnel</td>
<td>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</td>
</tr>
<tr>
<td>CJ 438</td>
<td>Minorities, Crime and Social Policy</td>
<td>Examination of theories and dynamics of ethnic minority status, racism, crime and social policy in America. Credits: 3</td>
</tr>
<tr>
<td>CJ 439</td>
<td>Criminal Justice Management</td>
<td>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</td>
</tr>
<tr>
<td>CJ 448</td>
<td>Community Policing</td>
<td>An examination of the theories of community policing, problem solving models, alternative dispute resolution</td>
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</table>
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 develop Credit: 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 PREQ: 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 3 hours credit. Six hours credit given as CJ electives; an additional 6 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

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 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 exam. 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 interp Credit: 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. Emphas 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 152 or 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 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 PREQ: 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 PREQ: 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. 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: Junior or senior students can take this course. Credits: 3

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: (5)

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. Credits: (5)

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: PREQ: 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 life-long activity. S/U grading. Prerequisites: Construction Management major with senior standing or permission of instructor. Credits: 1

Communications
COMM 140 - Introduction to Mass Communication
Survey of the history, function, and economics of the communication industry. Credits: 3

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 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 254 - Radio Production 1
Practical course in the basics of digital audio production of radio commercials and programming elements for radio broadcasting. Credits: 3

COMM 255 - Television Production 1
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 1
Practical experiences in radio station operations at WWCU FM. Prerequisites Declared communication major. Credits: 3

COMM 284 - Television Practicum 1
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 300 - Foundations of Oral Communication
Required of any undergraduate who receives two oral competence condition (OCC) marks. 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 PREQ: 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

360
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 PREQ: COMM 301. Credits: 3

COMM 351 - Introduction to Television Studies
Evaluative study of television in America as it has evolved from the 19th century to the present. Perspectives include technology, production, regulation and social impact. 3 Lecture, 2 Lab. 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 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, 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. Prerequisites COMM 345 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 410 - The Rhetoric of Performance
Overview of performance studies as an aspect of the communication discipline. Credits: 3

COMM 411 - Rhetorical Theory & Criticism
Ancient and modern concepts and theories and application to rhetorical acts. Prerequisites COMM 201 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 6 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 U.S. 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 451 - Advanced Studies in Television Studies
Advanced studies of the cultural impact of the technological and regulatory changes in the television industry during the late 20th century and early 21st century. Prerequisites COMM 351 or permission of instructor. Credits: 3

COMM 456 - The Business of Broadcasting
Principles of operations management in radio, television, and cable at the local and network levels. Prerequisites COMM 254 and 255 Credits: 3

COMM 457 - Radio and Television Programming
Techniques of programming for AM and FM radio; public and commercial television; cable and satellite operations. Prerequisites COMM 254 or 255 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 485 - News Practicum II
Editing, writing, producing news content for use in the on-campus news outlet (s). Content may include written/audio/video components. One hour per week with 75 hours of news gathering and publishing activity required for the semester. Prerequisites COMM 385 Credits: 3

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: I-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

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 310 - Family Systems
Family organization and function, including intimacy, parenting, communication and conflict negotiation, as well as the interaction of family and economies, government, and ethnicity. Credits: 3

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

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 140 - Problem Solving and Programming for Engineers
Problem solving, algorithm development, and program design with a focus on engineering applications. Topics include variables, control structures, input/output, arrays. 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 PREQ: 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 and MATH 146 or MATH 153 or MATH 255. 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, countermeasures, and the ethical issues that arise. Hacking, viruses, worms, spam, identity theft, cryptography, intellectual property, software piracy. (P4) Credits: 3

CS 220 - 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 151 Credits: 1

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 CS 151 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 263 - High-Level Languages
ADA, C, PROLOG, LISP, or other high level language(s) approved by the department head. 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 330 - Applications of Logic and Discrete Structures
Applications of mathematics including logic, proof techniques, graph theory, probability, and automata theory to computer system design and software development. Prerequisites CS 151 and MATH 153. Credits: 3

CS 337 - Digital Forensics
How to locate, extract, interpret, and preserve digital evidence on computers and networks including filing systems, memory, malware, and intrusion detection. Prerequisites CS 150 or permission of the instructor. Credits: 4

CS 350 - Computer Organization
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization. Prerequisites CS 151 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. Prerequisites CS 151 and MATH 153. Credits: 4

CS 352 - Organization of Programming Languages
Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation. Prerequisites CS 151 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: 3

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 361 - 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. Prerequisites CS 151 Credits: 3
CS 363 - 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 CS 151 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. Prerequisites CS 151 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. Prerequisites CS 151 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 430 - Information Security I
Cryptography, authentication, integrity, and non-repudiation; trusted intermediaries, key distribution, and certification; access control and firewalls; attacks and counter-measures. Prerequisites CS 151 Corequisites CS 465 Credits: 3

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 151 Credits: 3

CS 460 - Compiler Construction
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 462 - Linux Tools
Linux tools; shell scripting; program development tools; process controls; Introduction to an advanced scripting language (i.e., php, perl, or python). Prerequisites CS 151 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 151 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 151 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, Seventy 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

**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

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 258 or permission of instructor. Credits: (1, R3)

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 DA 258 or 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 PREQ: 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 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 493 - Special Topics in Dance
Study in a special area of interest in dance. Credits: (1-3)

**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**
Circuit Analysis I Prerequisites MATH 146 (May be taken concurrently) 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. Prerequisites Credits: 4

**ECET 332 - Microcontrollers**
Study of contemporary 8-bit microcontrollers. Microcontroller architecture, programming, and interfacing. 3 Lecture, 2 Lab. Prerequisites EE 221; CS 140 or EE 200; 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 346 - 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
Corequisites ECET 321 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 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 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 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 PREQ: 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

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 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

Educational Administration
EDAD 420 - Jamaican Educational Politics
This course explores the politics of education in Jamaica. School Boards, the Ministry of Education and the Jamaica Teachers Association are the major political organizations. 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

Elementary and Middle Grades 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 390 - Practicum I**
Supervised participation in a public school classroom (6 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 - 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 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 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 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 2-5 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 discipline. Corequisites EDEL 490, 495 Credits: 2

EDEL 483 - Internship
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with BK and SPED 483. 5 days/week, full-time. Corequisites BK/EDEL/SPED 496 Credits: (5, R20)

EDEL 488 - Internship II
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with BK 488. Credits: (9)

EDEL 490 - Supervised Student Teaching
A full-time internship under university supervision. Corequisites EDEL 476, 495 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 PREQ or COREQ: EDM 250 or permission of instructor. Credits: 3

EDM 324 - Emergency Planning
Introduction to the multiple facets of emergency planning. Prerequisites PREQ or COREQ: EDM 250 or permission of instructor. Credits: 3

EDM 326 - Risk Assessment and Vulnerability Analysis
Introduction to concepts and principles of risk assessment and vulnerability analysis. Prerequisites PREQ or COREQ: EDM 250 or permission of instructor. 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 PREQ or COREQ: EDM 250 or permission of instructor. Credits: 3

EDM 335 - Principles of Hazard Mitigation
An exploration of the concepts and principles associated with hazard mitigation and its place in disaster management. Prerequisites PREQ or COREQ: EDM 250 or permission of instructor. Credits: 3

EDM 340 - Political and Policy Basis of Emergency and Disaster Management
An exploration of the political dynamics of American emergency and disaster management. Prerequisites PREQ: EDM 250 or permission of instructor. Credits: 3

EDM 351 - Resource Management
Identification, coordination and effective utilization of government, private and not-for profit resources by emergency responders. Prerequisites PREQ: EDM 250 or permission of instructor. Credits: 3

EDM 360 - Asset Protection & Critical Infrastructure
Examination of economic, legal, organizational and social infrastructure related to emergency management. Prerequisites PREQ: EDM 250. Credits: 3

EDM 405 - GIS and Emergency Mapping
A overview of Geographical Information Systems (GIS) and other forms emergency mapping for mitigation, preparedness, response and recovery. Prerequisites PREQ:
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 setting. 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)

**Middle Grades Education**

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: EDCI 201; EDMG 300
Corequisites: EDMG 410 Credits: 2

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 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 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 PREQ: Admission to the professional education sequence. Credits: 3

EDMG 416 - Science Methods Grades 6-9
Methods for teaching science in grades 6-9. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREREQ: EDMG 411, EDMG 412 COREQ: EDMG 420, EDMG 421 Credits: 3

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 PREREQ: EDMG 411, EDMG 412 COREQ: EDMG 420, EDMG 421 Credits: 3

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 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

Education and Psychology
EDPY 190 - What is Education For?
The seminar will explore the influence our education has on us as human beings and how it may impact our definitions of "meaning" and "purpose." Credits: 3

EDPY 493 - Topics in Education and Psychology
Topics in Education and Psychology Credits: 1-3, R6

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 PREQ: 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 PREQ: 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 practices 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. Prerequisites COREQ: 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 PREQ: 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 PREQ: 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 PREQ: 334 or 443 and admission to the professional education sequence in your program. Credits: 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 PREQ: 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 PREQ: Requires admission to the Teacher Education Program. Credits: (1-3)

EDSE 485 - Internship II
A full-time internship. Prerequisites PREQ: Admission to the Teacher Education Program. COREQ: 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. 9 hours per week. Prerequisites PREQ: Admission to the Teacher Education program. Credits: (3, R6)

EDSE 490 - Supervised Student Teaching
A full-time teaching experience. Prerequisites PREQ: Admission to the
Teacher Education Program. COREQ: 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 PREQ: Admission to the Teacher Education Program. COREQ: 490 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491. 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 PREQ: MATH 252 or 255 and PHYS 230, all with a grade of C or better; or permission of department. COREQ: MATH 320 and PHYS 231 are pre-requisites 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 PREQ: EE 201; MATH 320; PHYS 231, all with grades of C or better. COREQ: MATH 253 or 256 are pre-requisites 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 PREQ: 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 PREQ: 211 & 221 (both with a grade of C or better) or permission of department. COREQ: 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 PREQ: ENGR 199 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 PREQ: 201, 211, 221 (all with a grade of C or better). COREQ: 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 PREQ: 202 & 212. Both with a grade of C or better. COREQ: 331 & 351 are prerequisites but may be taken concurrently, or permission of department. Credits: 3

EE 312 - Electronic Devices Laboratory
Measurements and applications of solid state devices. Required minimum grade for major is C. Prerequisites PREQ: 311 with a grade of C or better. COREQ: 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; Stoke's 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 PREQ: 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 PREQ: 321 with a grade of C or better. Credits: 3

EE 331 - Fundamentals of Electronics and Semiconductors

Theory and application of semiconductor devices. Ideal operational amplifier applications; diode and its applications; bipolar transistors and MOSFETs with applications; dc biasing and small-signal analysis. Required minimum grade for major is C. Prerequisites PREQ: 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 PREQ: 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 PREQ: 202 & 221 (both with a grade of C or better); 222. COREQ: 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 PREQ: 321 with a grade of C or better and 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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. 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. 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 IIR filters. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 an Prerequisites EE 202, C or better & ENGR 411 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 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 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 PREQ: 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: 3

Elementary and Middle Grades
ELMG 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. Prerequisites COREQ: EDCI 201. Credits: 1

ELMG 390 - Practicum I
Supervised participation in a public school classroom (6 hours per week), guided by seminar focusing on appropriate assessments for elementary and middle grades. Prerequisites PREQ: Admission to professional education sequence and EDEL 311, EDRD 303, EDRD 334, and EDEL 418 with grades of C or better. COREQ: EDEL
415, EDEL 416, EDEL 417, EDEL 419.
Credits: 3

ELMG 480 - Independent Study in Elementary/Middle Grades Education
Independent Study in Elementary/Middle Grades Education Prerequisites PREQ: Admission to professional education sequence. Credits: 1-3, R6

ELMG 484 - Supervised Internship I
A part-time internship under university supervision with seminar. Prerequisites PREQ: EDEL 390 or EDMG 411. Credits: 3

ELMG 485 - Supervised Internship II
A full-time internship under university supervision. Prerequisites PREQ: 484. CORQ: 495. Full-time field experience. Credits: (9)

ELMG 493 - Topics in Elementary/Middle Grades Education
Topics in Elementary/Middle Grades Education Prerequisites PREQ: Admission to professional education sequence. Credits: 1-3, R6

ELMG 495 - Seminar for Student Teachers
Theory related to practice during student teaching. Prerequisites CORQ: 485. Credits: 3

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 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 assessment, 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, and EMC 321, and EMC 340, and EMC 341, and EMC 351, and 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, and 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 setting. Prerequisites PREQ: Junior or senior level EMC major admitted to the program in good standing, and EMC 320, and EMC 321, and EMC 340, and EMC 341, and EMC 351 and EMC 381. Credits: 1

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, and 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. 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
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 PREQ: 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 PREQ: 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

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. 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 PREQ: 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) Prerequisites English 101 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 231 - The Interpretation of Literature
An introduction to the close reading of poetry, fiction, and drama, emphasizing theme, structure and form, figurative language, and style. Introduction to major critical approaches. (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 PREQ: 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 PREQ: 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 PREQ: 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). Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: ENGL 302 Credits: (3, R6)
ENGL 312 - 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). 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 PREQ: Engl. 303 Credits: (3, R6)

ENGL 315 - 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. Prerequisites Closed to freshmen 0-24. Credits: 3

ENGL 319 - 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 325 - Language and Culture
How culture and language affect the academic experiences of language-minority students in k-12 setting. Prerequisites PREQ: 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. Prerequisites PREQ: 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 PREQ: ENGL101 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 PREQ: ENGL101 and ENGL102. 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 PREQ: 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 363 - 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). Prerequisites Closed to freshmen (0-24 hours) 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 PREQ: ENGL 278. Credits: 3

ENGL 389 - Cooperative Education: Professional Writing
See Cooperative Education Program. Closed to freshmen 0-24 hours. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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. Prerequisites PREQ: 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. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 freshmen 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). 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 Prerequisites English 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 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: PREQ: 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 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: PREQ: 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. 9 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. 9 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). Prerequisites: CORQP: 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 COREQ: 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 PREQ: Senior standing. Credits: 3

Engineering

ENGR 132 - Engineering Graphics
Engineering design graphics, spatial visualization, orthographic projection, dimensioning, tolerances, and basic 3D constraint-based modeling. Credits: (3 Contact Hours: 4)

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 design process will be introduced through lecture and project-based learning activities. Freshman Engineering majors only. 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. 2 lecture, 2 lab. Prerequisites PREQ: 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; centroid and moment of inertia; Cartesian vector analysis; partial equilibrium; internal forces; friction. Prerequisites PREQ: Math 153, COREQ: 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. Prerequisites ET 132 or ENGR 132 Credits: (3 Contact Hours: 4)

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 PREQ: 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 Corequisites None 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. 2 Lecture, 2 Lab. Prerequisites PREQ: ENGR 200 with a "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 PREQ: 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. 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 PREQ: 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 PREQ: 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))

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

ENVII 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 PREQ: CHEM 133 or permission of instructor. COREQ: ENVH 261 Credits: 2

ENVH 261 - Etiology of Infectious Diseases Laboratory
Laboratory to accompany ENVH 260 Etiology of Infectious Diseases. Prerequisites COREQ: ENVH 260 Credits: (1-2)

ENVH 270 - Biological Basis of Disease

This course provides the student with an understanding of the basic biology of health and disease. Prerequisites PREQ: 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. Credits: 3

ENVH 311 - Water Quality Control Laboratory
Laboratory to accompany ENVH 310 Water Quality Control. Prerequisites PREREQ: Junior Standing. COREQ: ENVH 310. Credits: 1

ENVH 312 - Solid and Hazardous Waste Management
Techniques for management and disposal of solid and hazardous waste. Pollution problems associated with solid and hazardous waste. Credits: 2

ENVH 317 - Noise and Hearing Conservation
A study of the recognition, evaluation and control of noise and hearing conservation. Prerequisites PREQ: None. Credits: 2

ENVH 320 - Institutional and Residential Environment
An introduction to the basic health and safety issues in modern housing and institutional settings. 2 Lecture, 2 Lab. Credits: 3

ENVH 330 - Food Protection and Sanitation
Principles and techniques applied to the protection of food and milk for human consumption. 3 Lecture. Credits: 3

ENVH 331 - Food Protection and Sanitation Laboratory
Laboratory to accompany ENVH 330 Food Protection and Sanitation. Prerequisites: Junior standing COREQ: ENVH 330 Credits: 1
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVH 340</td>
<td>Environmental Health Practices</td>
<td>Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice.</td>
<td>3</td>
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<tr>
<td>ENVH 375</td>
<td>Environmental Toxicology</td>
<td>The monitoring, effects, and control of toxic materials in the environment. Mechanisms of action of toxic chemicals in humans and other organisms. Prerequisites: Junior Standing.</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 380</td>
<td>Biosafety and Bioterrorism</td>
<td>Biosafety and Bioterrorism Credits: 3</td>
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<tr>
<td>ENVH 410</td>
<td>Radiation Safety</td>
<td>A study of the recognition, evaluation and control of ionizing and non-ionizing radiation sources found in the occupational environment.</td>
<td>2</td>
</tr>
<tr>
<td>ENVH 430</td>
<td>Medical Entomology</td>
<td>The study of the morphology, physiology, phylogeny, ontogeny, behavior, ecology, and population biology of insects. 3 Lecture.</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 431</td>
<td>Medical Entomology Laboratory</td>
<td>Laboratory to accompany ENVH 430 Medical Entomology. Prerequisites: Junior standing COREQ: ENVH 430.</td>
<td>1</td>
</tr>
<tr>
<td>ENVH 440</td>
<td>Air Quality Control</td>
<td>Evaluating and monitoring air quality; effects of pollution control and lab procedures in air quality investigation. 3 Lecture. Prerequisites: Junior Standing.</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 450</td>
<td>Quantitative Air Analysis</td>
<td>Principles, techniques, and methods to quantify chemical substances in the air. 1 lecture, 2 lab. Prerequisites: Junior Standing.</td>
<td>2</td>
</tr>
<tr>
<td>ENVH 457</td>
<td>Industrial Hygiene</td>
<td>Health aspects of industry relative to the environmental factors of shelter, waste, and air. Prerequisites: Environmental health major or permission of instructor.</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 458</td>
<td>Environmental Regulation and Law</td>
<td>Basic concepts of environmental law including the workings of the justice system, the litigation process, witness testimony, and laws.</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 460</td>
<td>Senior Seminar in Environmental Health</td>
<td>Exploration of current issues in environmental health. Prerequisites: Senior status.</td>
<td>1</td>
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<tr>
<td>ENVH 465</td>
<td>Wastewater Issues in Environmental Health</td>
<td>Overview of concepts related to water and wastewater management in the U.S., including residential (on-site), community, and municipal wastewater systems. Prerequisites: 310. Credits: 3</td>
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<tr>
<td>ENVH 470</td>
<td>Principles of Epidemiology</td>
<td>Principles and applications to investigation, control, prevention of disease and statistical applications. Prerequisites: Senior standing and permission of instructor.</td>
<td>4</td>
</tr>
<tr>
<td>ENVH 480</td>
<td>Independent Study in Environmental Health</td>
<td>Independent Study in Environmental Health Credits: 1-3, R6</td>
<td></td>
</tr>
<tr>
<td>ENVH 483</td>
<td>Environmental Health Internship</td>
<td>Supervised experience in an approved clinical or environmental health facility. 9 weeks, full-time. Prerequisites: Environmental health major or permission of instructor.</td>
<td>1-3, R6</td>
</tr>
<tr>
<td>ENVH 493</td>
<td>Topics in Environmental Health</td>
<td>Studies in special areas of interest in environmental health. Prerequisites: permission of instructor.</td>
<td>1-3, R9</td>
</tr>
<tr>
<td>ENVH 499</td>
<td>Undergraduate Research in Environmental Health</td>
<td>Mentored undergraduate research in a selected area of environmental health.</td>
<td>2</td>
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</tbody>
</table>

**Environmental Science**

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<thead>
<tr>
<th>Course Code</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ES 101</td>
<td>Careers and Issues in Environmental Science</td>
<td>ES 101 - Careers and Issues in Environmental Science</td>
<td></td>
</tr>
</tbody>
</table>
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: PREQ: 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: PREQ: ES major, Junior status or higher, or instructor permission. Credits: 1

ES 480 - Independent Study
Independent Study Prerequisites: PREQ: 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

Earth Science

ES 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 designed region; a two-week field trip following spring final exams. Cost to be determined. Prerequisites: PREQ: Junior standing, GEOL 150 or GEOG 150, and permission of instructor. Credits: (3, R6)

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. Prerequisites: PREQ: ET 132. Credits: 3

ET 232 - Engineering Statics
Study of forces and the effect of forces acting on static bodies. 3 Lecture. Prerequisites: PREQ: MATH 145 or 146; PHYS 130. 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. Prerequisites: PREQ: ET 231. Credits: (3 Contact Hours: 4)

ET 331 - Quality Systems

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Techniques for monitoring and assuring quality. Prerequisites PREQ: MATH 170 Credits: (3 Contact Hours: 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. Prerequisites PREQ: 232, MATH 140 or 153. COREQ: 333 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. Prerequisites COREQ: 332 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. Prerequisites PREQ: ET 331 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 PREQ: 335. Credits: 3

ET 337 - Management of Safety Systems
Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents. Prerequisites PREQ: 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. Prerequisites COREQ: 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 PREQ: 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, keizen events, value added analysis, pull systems and production control. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: MATH 140 or 153, PHYS 130, MATH 170.
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 PREQ: Junior standing or permission of instructor. Credits: 3

ET 422 - Advanced Polymer Technology
Theory and application of molding processes; emphasis on thermoplastic and thermostet 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 PREQ: 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 PREQ: ET 141, 231, 232, 331 and 351 Credits: 3

ET 428 - Plant Layout
Problem analyses and design of plant facilities; plant layout, material flow, and handling; physical storage systems. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 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 adviser and instructor. Credits: 1-3, R6

ET 493 - Special Topics
Special Topics Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

ET 495 - Engineering Technology Seminar
Trends, issues, and selected topics pertinent to current operations and practices. Prerequisites PREQ: Engineering technology major and senior standing. Seminar. Credits: 1-3, R6

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 an 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 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: ((1or3, R15))

FIN 406 - Investment Strategies
Investments for individuals, institutions, and business; securities and securities markets. Prerequisites 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 305. Credits: 3

FIN 409 - Entrepreneurial Finance
Problems in cash management; financing small business; problems associated with new ventures. Prerequisites 305, MGT 401. Credits: 3

FIN 410 - Retirement Planning
Retirement planning; goals, strategies, implementation and employee benefits. Prerequisites 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

FIN 450 - Contemporary Managerial Finance
Performance measures including EVA and MVA. Working capital management and short-term financing, capital budgeting, break-even and leverage analysis, mergers and acquisitions. Prerequisites 305. Credits: 3

FIN 470 - Portfolio Management
A "hands on" course managing an all-equity portfolio; corporate, industry and market analysis. Prerequisites 305 or permission of instructor. Credits: 3

FIN 480 - Independent Research
Independent Research Prerequisites Permission of department head. Credits: 3

FIN 483 - Internship in Finance
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. Credits: (3, R9)

FIN 484 - Internship in Finance
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. Credits: (3, R9)

FIN 485 - Internship in Finance
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. Credits: (3, R9)

FIN 493 - Topics in Finance
Topics in Finance Prerequisites Permission of department head. Credits: 1-3, R6

FIN 496 - Estate & Trust Planning
Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications. Prerequisites None. Credits: 3

FIN 499 - Case Studies in Financial Planning
Development of written, oral, and interpersonal communication skills and synthesis of knowledge through case studies. Prerequisites FIN 406 Credits: 3

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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 232 or 240. Credits: 3

FREN 321 - French Civilization
Geographical, political, cultural, and historical aspects of France from its origins to the present. Prerequisites PREQ: 232 or 240. PREQ or COREQ: 301 or 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 PREQ: 232 or 240. PREQ or COREQ: 301 or 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 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 PREQ: 232 or 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 PREQ or COREQ: 301, 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head. Credits: 3

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 PREQ: BIOL 240. Credits: 3

FS 380 - Research in Forensic Science
Forensic science research projects for individual students. 9 hours 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, R15)

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 PREQ: 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 PREQ: 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. 2 hours per week. Credits: ((1, R3))

Film and Television Production
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 250 - Basic Production Techniques
Introduction to use of camera, lighting, sound, and editing. Prerequisites PREQ: FTP major 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 PREQ: 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 PREQ: ENGL 101. Credits: 3
FTP 320 - Adapting the Short Story
Students will each choose a short story and then write a screen adaptation. Prerequisites PREQ: 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 335 - Intermediate Cinematography
This course covers intermediate techniques of cinematography and production lighting. 2 Lecture, 2 Lab. Prerequisites PREQ: 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 357 - Non-Linear Editing
Students will learn the art of editing from assembly through fine cut, sound and music editing. Prerequisites PREQ: FTP 253 Credits: 3
FTP 359 - Elements of Motion Picture Production
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 PREQ: 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 PREQ: FTP 253 or permission of instructor. Credits: 3
FTP 386 - Production Practicum II
Students will work on independent or departmental projects. 1 Lecture, 2 Lab. Credits: (1, R5)
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 PREQ: FTP 310. Credits: 3
FTP 407 - Screenwriting III
Complete and rewrite the screenplay begun in MPTP 406. Closed to freshmen 0-24 hours. Prerequisites PREQ: FTP 406 and permission of instructor. Credits: (3, R6)
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 PREQ: FTP 310. Credits: 3

FTP 410 - Writing the Pilot
Students will conceive and write the pilot episode of an original television series. Prerequisites PREQ: 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 PREQ: FTP 250. Credits: 3

FTP 457 - Advanced Editing
Advanced techniques of editing and post production explored within context of editing a major project. Prerequisites PREQ: FTP 357 and permission of instructor. Credits: 3

FTP 458 - Directing the Documentary
This intermediate course will teach students the theory and techniques required to direct a digitally shot and edited documentary. 2 Lecture, 2 Lab. Prerequisites PREQ: FTP 250. Credits: 3

FTP 460 - 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 PREQ: FTP 361 Credits: 3

FTP 483 - Internship in Motion Picture/TV
Work experience in the motion picture/TV industry. 150 hours of work required. Prerequisites
PREQ.: 60 hours completed and/or permission of program director Credits: (3, R6)

FTP 488 - Senior Project I
Students will write and prep their senior production. 3 Lab. Credits: 2

FTP 489 - Senior Project II
Students will shoot and complete their senior production. Prerequisites PREQ: FTP 488. Credits: 2

FTP 493 - Special Topics in Motion Picture Production
Study in special area of interest in motion picture and television production. Credits: 3, R9

**Geography**

GEOG 101 - Population Geography
Analysis of global patterns of human population. Population composition, fertility/mortality, migration are considered. Theories of population change and environmental impacts. (P1) Credits: 3

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 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, C02 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 PREQ: 150 and GEOL 150. 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.

GEOG 322 - Cartography
Map design and construction; basic projects, data gathering, and display methods. 2 Lecture, 6 Lab. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 supervision. S/U grading. 9 hours per week per course. Prerequisites PREQ: Junior standing. Credits: 3

GEOG 491 - Topics in Geography
Presentation and discussion of subjects of current interest. Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

GEOG 493 - Special Problems
Directed individual research on selected topics. Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

GEOG 495 - Senior Seminar in Geography
Readings in historical/philosophical foundations and currents topics in geography. Written and oral presentation of student research. 3 Seminar. Prerequisites PREQ: 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

GEOG 322 - Cartography
Map design and construction; basic projects, data gathering, and display methods. 2 Lecture, 6 Lab. Prerequisites PREQ: 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 PREQ: 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 PREQ: Permission of instructor. 3 Lecture, 3 Lab. Credits: 4

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GEOG 460 - Urban and Regional Land Use Planning
Principles and practices of urban regional planning; types of planning reports; applications to North Carolina. Prerequisites PREQ: 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 supervision. S/U grading. 9 hours per week per course. Prerequisites PREQ: Junior standing. Credits: 3

GEOG 491 - Topics in Geography
Presentation and discussion of subjects of current interest. Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

GEOG 493 - Special Problems
Directed individual research on selected topics. Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

GEOG 495 - Senior Seminar in Geography
Readings in historical/philosophical foundations and currents topics in geography. Written and oral presentation of student research. 3 Seminar. Prerequisites PREQ: 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

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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 PREQ: 140 or 150 and CHEM 132 or 140. Credits: 3

GEOL 260 - Oceanography
Interdisciplinary study of the ocean through an examination of its physical, biological, and chemical processes. Prerequisites PREQ: Any 100 level biology, chemistry, or geology course. Credits: 3

GEOL 302 - Geomorphology
This course is cross-listed with GEOG 302. 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
Geophysics Prerequisites PREQ: PHYS 130 or 230. COREQ: PHYS 131 or PHYS 231. Credits: 4

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 PREQ: 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. Prerequisites COREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 140 or 150 and 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 PREQ: 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 PREQ: 355, 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 102 or equivalent or placement for 231; 231 or equivalent or placement for 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 PREQ: 102 or equivalent or placement for 231; 231 or equivalent or placement for 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 PREQ: 110 or permission of instructor. Credits: (6)

GER 301 - German for Everyday Use
Emphasis on communicating in realistic situations in everyday, practical German. Prerequisites PREQ: 232 or 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 PREQ: 301. Credits: 3

GER 310 - Introduction to German Prose and Poetry
Introduction to German literary texts; reading and analysis of literary works. Prerequisites PREQ: 232 or 240. Credits: 3

GER 321 - German Civilization
Geographical, political, cultural, and historical aspects of Germany. Prerequisites PREQ: 232 or 240. Credits: 3

GER 331 - Survey of German Literature
Major literary movements, authors, and works since the twelfth century. Prerequisites PREQ: 232 or 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 PREQ: 232 or 240. PREQ or COREQ: 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 PREQ: 232 or 240. PREQ or COREQ: 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 PREQ: 232 or 240. PREQ or COREQ: 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 PREQ: 232 or 240. PREQ or COREQ: 301 or permission of department head. Credits: 3

GER 481 - Independent Studies in German
Independent Studies in German
Prerequisites PREQ: 232 or 240. PREQ or COREQ: 301 or permission of department head. Credits: 1-3, R6

GER 493 - Special Topics in German
Special Topics in German Prerequisites PREQ: 232 or 240. Credits: ((1-6, R6))

**Gerontology**

GERN 310 - Aging Lifestyles and Society
A study of how healthy lifestyles can slow and reverse the aging process with emphasis on the meaning of aging in contemporary American society and culture. Credits: 3

GERN 480 - Independent Study
A directed independent study in the field of gerontology. Prerequisites PREQ: Permission of advisor. Credits: (1-3, R9)

GERN 493 - Topics
Topics Credits: ((1-6))

GERN 498 - Aging Seminar
A capstone course with the major focus on researching and presenting a specific aging topic. The self-application of healthy aging concepts will be emphasized. Credits: 3

**Health**

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

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 PREQ: 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 PREQ: 326. COREQ: 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 PREQ: 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 PREQ: 310. Credits: 3

HIA 322 - Inpatient Coding
Basic ICD coding for inpatients; NCCI, and coding for prospective payment. Prerequisites COREQ: 326. Credits: 3

HIA 324 - Outpatient Coding
Basic CPT and HCPCS coding for outpatients; coding for prospective payment. Prerequisites PREQ: 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 PREQ: BIOL 291, 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. Prerequisites COREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 418. Credits: 3

HIA 480 - Independent Study in Health Information Administration
Independent Study in Health Information Administration Prerequisites PREQ: 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 PREQ: 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 PREQ: 420, 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 PREQ: 420, 483. COREQ: 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 PREQ: 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. Prerequisites COREQ: 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 PREQ: 487. Credits: 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 171 - Religion in America
An examination of religious texts and history in American culture. (P4) Credits: 3

HIST 175 - Native American Civilizations
Introduction to Native American history. (P4) Credits: 3

HIST 181 - Religion in Europe
An examination of religious texts and history in European culture. (P4) Credits: 3

HIST 182 - The Ancient Empires
An examination of the creation myths and history of the ancient empires of the Old and New Worlds. (P4) 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 thorough 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 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 308 - Explorations in Regional History
Examinations of select regions and the groups which influenced their historical evolution. Closed to freshmen 0-29 hours. (P3) Credits: (3, R12)

HIST 310 - Teaching World History
Methods, content and assessment for the North Carolina secondary core requirements in World History. Prerequisites PREQ: HIST 395; Admission to Teacher Education. COREQ: HIST 405. Credits: |

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) Credits: 3

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). Credits: 3

HIST 313 - Medieval Europe
A survey of medieval western European history from the Viking Age through the Black Death (ca. CE 1000 – 1400). Credits: 3

HIST 314 - Early Modern Europe
Social, political, and economic interactions between Christians, Muslims, and Jews, 1250-1650. Closed to students 0-29 hours. Credits: 3

HIST 315 - Renaissance and Reformation
Humanism; Renaissance politics; Protestant Reformation and Catholic Reform; Wars of Religion. Closed to freshmen 0-29 hours. (P3) Credits: 3

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) Credits: 3

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. (P3) Credits: 3

HIST 331 - Colonial America, 1492-1763
Political, social, economic, and cultural characteristics. Closed to freshmen 0-29 hours. Credits: 3

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. Credits: 3

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 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 freshmen 0-29 hours. Credits: 3

HIST 361 - Latin American History I
Indian civilizations; Spanish and Portuguese exploration; the conquistadores; colonial life; consolidation and maturity of empire; influence of the Enlightenment. Closed to freshmen 0-29 hours. (P3) Credits: 3

HIST 362 - Latin American History II
Revolutions; independence; struggle for political stability; popular government on trial; contests of hegemony; rise of indigenous nationalism. Closed to freshmen 0-29 hours. (P3) 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 367 - African History to 1880
Explores African history to 1880, including cultural development, ethnicities, the slave trade, and colonialism. Credits: 3

HIST 368 - 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 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 PREQ: Permission of the Department; COREQ: 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 tr 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 410 - The Creation of Modern Science
Development of scientific thought since 1200./ Origins of science's prominent role in modern Western culture, economy, society. Prerequisites Closed to freshman, 0-29 hours. 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 412 - Early Modern Europe
The Reformation; development of the modern state; Scientific Revolution; rise of capitalism; social change. 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
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, backcountries, and borderlands during colonial, revolutionary, and early national periods. Closed to students 0-29 hours. Credits: 3

HIST 431 - Colonial America, 1492-1763
Political, social, economic, and cultural characteristics. Closed to freshmen 0-29 hours. Credits: 3

HIST 432 - 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. 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 434 - Civil War and Reconstruction, 1848-1877
Sectional differences; the secession movement; military operations; Reconstruction. Closed to freshmen 0-29 hours. Credits: 3

HIST 435 - Emergence of Industrial America, 1877-1929
Growth and conflict of organized industry and labor; agrarian decline and revolt; American Imperialism; progressive reform; World War I; postwar crises and prosperity. Closed to freshmen 0-29 hours. Credits: 3

HIST 436 - The United States Since 1929
Great Depression; New Deal; World War II; role as Cold War superpower; domestic developments. 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 442 - African American History
Role of African Americans in American history; African background; religious, cultural, economic, and political institutions; civil rights, struggles, tension between assimilation and black nationalism. Closed to freshmen 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 448 - 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 450 - War and Memory
Explores perceptions and social history of American Wars in the Twentieth Century. 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 452 - American Diplomatic History
US foreign relations from the colonial period to modern times. 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. Closed to students 0-29 hours. Credits: 3

HIST 457 - Sports in American History
Interaction between sports and American social, economic, and political history. Closed to freshmen 0-29 hours. Credits: 3

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 471 - Introduction to Public History
Explores such topics as museum displays, reenactments, historical pageants, historic preservation, living history, interpretations, and public policy. Closed to freshmen 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. Close 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 freshman 0-29 hours. Credits: 3

HIST 474 - 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 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 setting. Prerequisites HIST 350 Credits: 3

HIST 484 - Internship Project in History
Work experience on historical problems; written assignments required. S/U grading. 9 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. 9 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. Prerequisites COREQ: 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 297; 3.2 GPA in History courses; permission of department head. Credits: 3

Health and Physical Education

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 Corequisites none 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 Corequisites none 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 PREQ: HPE 256. Credits: 3

HPE 346 - Educational Dance and Gymnastics
A competency based course of methods and materials in rhythmical dance and gymnastics. Prerequisites & Notes PREQ: HPE 256. COREQ: 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. Corequisites none 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 PREQ: 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 PREQ: Must be admitted to the professional education sequence. COREQ: HPE 488. Credits: 3

HPE 488 - Physical Education Internship I:6-12
A part-time internship in 6-12 health and physical education. Prerequisites PREQ: Must be admitted to the professional education sequence. COREQ: HPE 425. Credits: 3

HPE 489 - Health & Physical Education Internship II:K-8
A 15-week internship in physical education instruction. Prerequisites PREQ: Must be admitted to the professional education sequence. COREQ: HPE 496. Credits: (9)

HPE 496 - The Healthful Living Teacher as Leader
Concepts of curriculum, instructional and professional leadership are examined. Prerequisites PREQ: Must be admitted to the professional education sequence. COREQ: HPE 489. Subscription to TaskStream © required. 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 PREQ: 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 237 - 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 PREQ: 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: (1-3)

HSCC 373 - PROPOSED Tests and Measurements in Exercise
This course will be part of the Health and Wellness concentration in the new Integrated Health Sciences degree. Designed to provide health science students the knowledge of and ability to understand, select, a Prerequisites BIOL 293, HPE 223, HPE 225. 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 PREQ: 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 PREQ: 470. Credits: (1-3 R2)

HSCC 475 - PROPOSED Integrated Health Science Senior Capstone
This capstone course will likely include an experiential component. Students will have opportunities to take part in interdisciplinary service learning projects that will act as a capstone to their IHS degree Prerequisites Senior status Credits: 3

HSCC 493 - Special Topics
Special Topics Credits: (1-3)

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 or 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 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))

International Business
IBUS 301 - International Management
Managerial functions and skills applied to the international business environment. Prerequisites MGT 300. Credits: 3

IBUS 309 - International Trade
Trade patterns among nations; effects of trade on participant countries; tariffs and quotas; balance of payments, exchange rates, international monetary system. Prerequisites ECON 231, 232 Credits: 3

IBUS 401 - Information and Materials Exchange in International Business
Operations strategy as it relates to fundamentals of logistics, supply chain management, operations management, operations, and e-commerce in the global business environment. Prerequisites MGT 300. Credits: 3

IBUS 480 - Independent Research
Independent Research Prerequisites Three individual conferences. Credits: 3

IBUS 483 - Internship in International Business
Ten hours per week of work. Credits: 3

IBUS 484 - Internship in International Business
Ten hours per week of work. Credits: 3

IBUS 485 - Internship in International Business
Ten hours per week of work. Credits: 3

IBUS 488 - Study Abroad
Participation in WCU study abroad exchange program. Credits: ((3-15, R30))

IBUS 493 - Topics in International Business
Permission of department head. Credits: 1-3, R6

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 PREQ: 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 PREQ: 230, 360 or permission of instructor. Credits: 3

ID 480 - Problems in Industrial Distribution
Independent study of problems in industrial distribution; project required. Prerequisites PREQ: Industrial distribution major and permission of instructor. Credits: (1-3)

ID 493 - Special Topics
Special Topics Prerequisites PREQ: Industrial distribution major and permission of instructor. Credits: 1-3, R6

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. Prerequisites COREQ: 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 PREQ: 250 and 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 PREQ: 250, 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 PREQ: IDES 251. Credits: 3

IDES 350 - History of Furniture and Design
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 PREQ: 255. Credits: 3

IDES 352 - Residential Design I
The application of the design process to the development of small scale residential environments. 6 Studio. Prerequisites PREQ: 252, 255, 256, 257. Credits: 3

IDES 353 - Detailing and Design
Casework, furniture, and architectural detailing and design. Prerequisites PREQ: Permission of instructor. Credits: 3

IDES 355 - History of Furniture and Design II
Development of art, architecture and furniture from nineteenth century to the present. Credits: 3

IDES 356 - Contract Design I
The application of the design process to the development of small scale commercial environments. 6 Studio. Prerequisites PREQ: 351, 352. Credits: 3

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. Prerequisites PREQ: 351, 352. Credits: 3

IDES 389 - Cooperative Education in Interior Design
See Cooperative Education Program. Prerequisites PREQ: Permission of program director. Credits: ((1 or 3, R15))

IDES 450 - Residential Design II
Design of medium to large scale residential environments, which may include historical and/or cultural aspects. 6 Studio. Prerequisites PREQ: 352, 357, and 350/ or 355/ or ART History. Credits: 3

IDES 451 - Kitchen and Bath Design II
The further development of skills utilized in solving cabinetry related design applications. 6 Studio. Prerequisites PREQ: 357, 358. Credits: 3

IDES 452 - Senior Research
Supervised research directed toward a topic selected in consultation with the instructor. Prerequisites PREQ: 356, 357, 358. Credits: 3

IDES 455 - Contract Design II
Design of medium to large scale commercial environments, which may include historical and/or cultural aspects. 6 Studio. Prerequisites PREQ: 356, 358. Credits: 3

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. Prerequisites PREQ: 450, 451. Credits: 3

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 PREQ: 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 PREQ: Permission of instructor. Credits: ((3, R6))

IDES 480 - Independent Study in Interior Design
Independent Study in Interior Design
Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: Permission of program director. Credits: 3

IDES 493 - Topics in Interior Design  
Examination of current topics and trends in interior design. Prerequisites PREQ: Permission of instructor. Credits: (3, R9)

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. 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 the field. Prerequisites PREREQ: Must be declared as an International Studies major. Jr/Sr 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 Status. Credits: 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. 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 PREQ: 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 PREQ: 102 or equivalent. Credits: 3

JPN 232 - Intermediate Japanese II  
Continued study of Japanese language and culture with emphasis on oral development. Prerequisites PREQ: 231 or equivalent. Credits: 3

JPN 301 - Third Year Japanese I  
Continued study of Japanese language (composition) and culture. Prerequisites 232 or permission of instructor. Credits: 3

JPN 302 - Third Year Japanese II  
Continued study of Japanese language and culture. Prerequisites 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 301 or permission of instructor. Credits: 3

JPN 452 - Advanced Japanese Conversation
Continued study of Japanese language (conversational) and culture. Prerequisites 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 Instructor's permission needed. Credits: (3, R12)

Latin
LAT 101 - Beginning Latin I
Students learn to analyze and understand Classical Latin texts through study of this progenitor language's logic system of word formation and sentence construction. (P6) Credits: 3

LAT 102 - Beginning Latin II
Continued study of basic Latin. (P6) Credits: 3

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 protection. Prerequisites None. Credits: 3

Leadership  
LEAD 140 - Freshman Leadership Institute I  
Introduces a theoretical framework for understanding leadership and followership, while participating in a learning community. Students experience the personal discovery of leadership potential and commitment. Prerequisites Acceptance into the Freshman Leadership Living-Learning Institute and Housing. Credits: 2
LEAD 141 - Student Development and Leadership
Designed to promote ethically and morally responsible, fully functioning leaders for resident advisor positions. Credits: (1, R3)

LEAD 142 - Peer Education Leadership
Current wellness concerns of today's college students. Translates learning into becoming peer educators and campus leaders through outreach, event planning, and optional participation in C.R.E.W. Credits: |

LEAD 143 - Western Peaks: Leadership and the Collegiate Experience
An interactive learning experience designed to introduce leadership concepts and experiential leadership opportunities at WCU, encouraging participation in a context of personal and leadership knowledge. Credits: 2

LEAD 145 - Student Leadership for Campus Service and Programming
The Social Change Model of leadership relationship to student leadership for: Last Minute Productions programming; or University Center and Ramsey Activity Center student staff. Credits: 1

LEAD 146 - Emerging Greek Leaders
Provides new members of WCU Greek organizations opportunities to explore leadership within the Social Change Model from an experiential context of organizational membership. Credits: 1

LEAD 147 - Leadership for Understanding and Promoting Non-Violence and Social Change
Designed to educate students about domestic violence and preventative measures while exploring leadership for associated issues within the context of the Social Change Model. Credits: 1

LEAD 148 - Leadership Principles
The course presents fundamentals of student leadership; covers leadership theory, parliamentary law, committee techniques, democratic organization, principles and functions of student government, and group problems. Credits: 1

LEAD 149 - Women, Leadership, and Social Change
This course will focus on women's leadership and service as it relates to personal development and campus involvement through a lens of social change. Credits: 1

LEAD 150 - Band of Brothers: Leadership and Masculinity
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of gender and leadership. Credits: 1

LEAD 151 - Secrets of Powerful Women: Leading Change for a New Generation
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of women and leadership. Credits: 2

LEAD 152 - Going Green: Leadership & Environmental Responsibility
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of environmental sustainability. Credits: 2

LEAD 153 - Global Awareness & Citizenship: Leadership from Global Perspective
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of global citizenship. Credits: 2

LEAD 154 - A Healthier U: Leadership & Wellness
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of health and wellness. Credits: 2

LEAD 155 - Project Care: African-American Leadership
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of African-American Leadership. Credits: 2
LEAD 156 - Cultural Competency & Social Action: Leadership in Diversity & Social Justice
Introduction and transition to university life and resources (academic, co-curricular, community); the principles of leadership with a focus on concepts of diversity and social action. Credits: 2

LEAD 157 - Digital Culture: Leadership & Technology
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of technology and leadership. Credits: 2

LEAD 158 - The Creative Life: Leadership & the Arts
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with a focus on concepts of arts and leadership. Credits: 2

LEAD 159 - Whee Teach: Leadership and Teacher Education
Introduction and transition to university life and resources (academic, co-curricular, community); and the principles of leadership with focus on leadership as applied to teacher education. Prerequisites COREQ: EDC1 191 - the "What is Education for?" section Credits: 2

LEAD 160 - Student Leadership and Academic Success
This course is designed to develop student leadership, support students in their successful transition to WCU and engage them as agents of social change. Credits: 1

LEAD 180 - Freshman Leadership Institute II
Continues the theoretical framework for understanding leadership and followership while participating in a learning community. Students experience the personal discovery of leadership potential and commitment. Prerequisites Completion of HR 140. Credits: 2

LEAD 241 - Orientation Leaders
The class design enhances educated, ethical and morally responsible, functioning leaders who can contribute to the success of first year students at Western Carolina University. Credits: (0-1, R4)

LEAD 243 - Service Learning and Leadership for Social Change
Provides understanding of leadership and social change strategies at the community level, focusing on roles and functions of nonprofit/social service agencies and service-learning participants. Prerequisites PREQ: All HR 100 level courses or permission of instructor. Credits: 1

LEAD 244 - Principles of Leadership
Students will explore the major theories of leadership and discuss how to define/measure leader effectiveness. Prerequisites PREQ: Any LEAD 100 level course. Credits: 3

LEAD 245 - Student Media Leadership
Enables students participating in the context of student media to lead using ethical and social change perspectives in peer and community communications. Credits: 1

LEAD 246 - Advanced Greek Leadership
Advanced Greek Leadership explores the leadership and evolution of the campus Greek community and its relationship to the national organizational structures and university educational mission. Prerequisites PREQ: 143, 144, 146, 244 or permission of instructor. Credits: 2

LEAD 247 - Student Athlete Leadership
Enables practical application of leadership for athletes through sports team dynamics, personal goal setting, visioning, and the role of student athletes in the university community. Credits: 1

LEAD 248 - Advanced SGA-Leadership Issues and Change
Advanced techniques and issues for student government leadership. It will cover major themes of creating change, creativity, lobbying, and social group dynamics. Prerequisites PREQ: 148 or permission of instructor. Credits: 1

LEAD 249 - Diversity and Leadership
Explore and discuss issues of diversity and leadership such as communication, resolving conflicts, motivation, decision-making,
community service, and leadership styles.

Credits: 1

LEAD 255 - Student Leadership for Campus Service and Programming
Students will learn practical skills and techniques in teaching their peers how to apply the Social Change Model in their role as student leaders. Prerequisites PREQ: 145. Credits: 1

LEAD 260 - Peer Mentoring for Leadership and Academic Success
This course trains new peer mentors and fosters their development in preparation for campus leadership roles. It meets educational requirements for Level 1 IMTP Certification. Credits: 1

LEAD 294 - Special Topics in Leadership
This lower division leadership course will be designed based upon a learning contract developed by the student and agreed upon by the sponsoring faculty member. Prerequisites PREQ: Permission of instructor. Credits: 1-3, R6

LEAD 343 - Dimensions of Spirituality in Leadership
Course enhances student's relationship with their world and sense of spirituality, life course and leadership knowledge searching for meaning and purpose of actions and decisions. Prerequisites PREQ: 244 or permission of instructor. Credits: 3

LEAD 344 - Junior Leadership Seminar
Explore and discuss issues on ethics and values decision making from leadership perspective for understanding how leaders shape moral environment in different contexts. Prerequisites PREQ: 244 or permission of instructor. Credits: 3

LEAD 346 - Civic Engagement and Leadership in the Local Community
Through education, service or research projects, students draw on history, psychology, political science, sociology, etc. to promote ethical leadership and civic engagement in our local community. Credits: 3

LEAD 360 - Advanced Peer Mentoring for Leadership and Academic Success
This course provides advanced training and conveys the professional nature of peer mentoring. It meets the educational requirements for Level 2 and 3 IMTP Certification. Credits: 1

LEAD 444 - Leadership Minor Capstone
Course enhances the student's relationship and leadership knowledge while applying learned skills to their professional career paths. Prerequisites PREQ: 344 or permission of the instructor. Credits: 3

LEAD 483 - Leadership (Minor) Field Experience Internship
The field experience is an internship-based course that requires the students to integrate lessons learned from the core leadership courses into practical leadership situations. Credits: 3

LEAD 494 - Special Topics in Leadership
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 PREQ: Permission of instructor. Credits: 1-3, R6

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 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 PREQ: 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 PREQ: 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 placement. Credits: 4

MATH 152 - Engineering Calculus I
Limits, continuity, derivatives of algebraic and trigonometric functions with applications. Prerequisites PREQ: 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 157 - Engineering Calculus II
Integrals of algebraic and trigonometric functions with applications series. Prerequisites PREQ: 152, or consent of the director of mathematics placement. 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. Prerequisites None Corequisites None Credits: (3.0)

MATH 200 - Introduction to Mathematical Problem Solving
Introduction to problem solving strategies appropriate for K-12 mathematics teaching and learning. Prerequisites PREREQ: 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 PREQ: 140 or 153 or consent of Department Head. Credits: 3

MATH 252 - Engineering Calculus II
Integrals of algebraic and trigonometric functions with applications series. Prerequisites PREQ: 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 PREQ: 252, or consent of the director of mathematics. Credits: 3

MATH 255 - Calculus I
Derivatives and integrals of transcendental functions, techniques of integration, indeterminant forms, improper integrals, infinite series. Prerequisites PREQ: 153. Credits: 4

MATH 256 - Calculus III
Plane curves, polar coordinates, vectors and solid analytical geometry, vector-valued functions, partial differentiation, multiple integrals. Prerequisites PREQ: 255. Credits: 4

MATH 270 - Statistical Methods
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 v
Prerequisites MATH 146 or MATH 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 PREQ: 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 PREQ: MATH 321 and 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 PREQ: 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 mathematical software and programming languages; applications in modeling and simulation; development of algorithms that requires advanced mathematical background. Prerequisites PREQ: MATH 255. Credits: 3

MATH 361 - Abstract Algebra I
Groups, rings, and fields. Prerequisites PREQ: 250. Credits: 3

MATH 362 - Linear Algebra
Systems of equations, matrices, vector spaces, and linear transformations. Prerequisites PREQ: 250 and 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 PREQ: 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
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 MATH 255; 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 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 MATH 412 or 422; 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 MATH 270; 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 MATH 255; permission of department head. 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 MATH 255; permission of department head. Credits: 3

MATH 422 - Real Analysis I
Sequences of real numbers, continuous functions, and differentiation. Prerequisites MATH 250 and 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 250 and 255. Credits: 3

MATH 424 - Complex Variable Theory
The complex number system, limits, continuity, derivatives, transcendental and multiple valued functions, integration. Prerequisites MATH 250 and 255. 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 250, MATH 340. Credits: 3

MATH 441 - Introduction to Numerical Analysis
Solving 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
Numerical techniques in root-finding, interpolation, differentiation and integration, ordinary differential equations, linear systems, and error analysis. Prerequisites 255; 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 PREQ: 255, 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 PREQ: 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 PREQ: 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 PREQ: 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 479 - Capstone: Seminar
A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature. Prerequisites PREQ: 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. Credits: 3 Corequisites EDSE 485 or EDSE 490 and ESDE 495. Credits: 3

**Mechanical Engineering**

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 consid 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 312 - Mechanical Engineering Lab II
Laboratory exercises in support of ME 302 and ME 332. Corequisites ME 302 or permission of Department Head. 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 332 - Measurement and Instrumentation
Principles of instrumentation; theory and practice with modern sensors; computer-based data acquisition techniques; signal processing. Prerequisites ENGR 315 and ME 321. 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 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 using MATLAB. Prerequisites ME 401. Credits: 3

Manufacturing Engineering
MFE 311 - Manufacturing Engineering Lab I
Laboratory exercises in support of MFE 324. Corequisites MFE 324 Credits: 1

MFE 312 - Manufacturing Engineering Lab II
Laboratory exercises in support of MFE 375. Corequisites 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 Corequisites 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

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 300. Credits: 3

MGT 304 - Human Resource Management
Staffing, training, evaluating, and rewarding employees; developing and implementing effective personnel programs. Prerequisites 300. Credits: 3

MGT 306 - Behavioral Science in Organizations
Examination of individual and collective human behavior in organizations. Prerequisites 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 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 304. Credits: 3

MGT 407 - Interpersonal Behavior
Managerial interpersonal relationships, listening behavior, self-awareness. Prerequisites 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

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 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 201 or 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 201 or 211. Credits: 3

MKT 343 - Advertising Management
Planning and production of a professional advertising campaign. Prerequisites 201 or 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 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 lab. 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 
to make good decisions. Prerequisites MATH 
170 or QA 235, MKT 201, ACCT 251, and 
ECON 231. 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)

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, folk. Prerequisites none 
Corequisites 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 PREQ: 
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 PREQ: 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 PREQ: Audition
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 PREQ: 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 PREQ: Placement exam or permission of the department head. Credits: 3

MUS 148 - Piano Class I
Basic functional keyboard skills. 2 meetings. Prerequisites PREQ: Music major or permission of department head. Credits: 1

MUS 149 - Piano Class II
Basic functional keyboard skills. 2 meetings. Prerequisites PREQ: 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 PREQ: Music major or permission of instructor. Credits: 2

MUS 182 - Computer Music Notation
Use of the computer to prepare music scores and parts. Prerequisites PREQ: MUS 208, 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 PREQ: 108, 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 PREQ: 108, 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 PREQ: 108 and 118, placement exam, or permission of department head. Credits: 1

MUS 218 - Music Theory II: Tonal Harmony
Introduction to tonal functions: nonharmonic tones, tonicization, modulation, 4-part voice leading, analysis and composition of simple forms; introduction to computer-based music engraving. Prerequisites PREQ: 118 and/or permission of instructor. Credits: 3

MUS 248 - Piano Class III
Continuation of keyboard skill development. 2 meetings. Prerequisites PREQ: 149. Credits: 1

MUS 249 - Piano Class IV
Piano proficiency completion. 2 meetings.
Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 108 and 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. Prerequisites none Corequisites none 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 PREQ: 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 PREQ: Junior-level qualifying examination. Credits: 1

MUS 306 - Applied Minor
One thirty-minute private lesson per week. Studio. Prerequisites PREQ: 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 PREQ: 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 PREQ: 208, 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 PREQ: 308, 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: MUS 319 Credits: 2

MUS 326 - Instrumental Methods and Materials
Methods and materials used in instrumental teaching. Prerequisites PREQ: Admission to teacher education. Credits: 3

MUS 327 - Choral Methods and Materials
Methods and materials used in developing the school choral program. Prerequisites PREQ: Admission to teacher education. Credits: 3

MUS 329 - Fundamentals of Conducting
Introduction to the basic skills and gestures of conducting. 3 Lab. Prerequisites PREQ: 309, 319. Credits: 2

MUS 358 - Concert Attendance
Attend ten 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 PREQ: 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 PREQ: 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 PREQ: 305. Credits: 1

MUS 406 - Applied Minor
One 30-minute private lesson per week. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 309, 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 PREQ: 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 PREQ: 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 PREQ: 319 or permission of instructor. Credits: 3
MUS 420 - Studies in Music Literature
Historical and theoretical study of various forms of music literature. Prerequisites PREQ: 419 or permission of the instructor. Credits: (3, R9)

MUS 425 - Twentieth-Century Music
Historical and theoretical issues in twentieth-century music. Prerequisites PREQ: 419. Credits: 3

MUS 426 - Jazz Arranging and Composing
Basic tools of creative arranging and composing for small jazz ensembles. Prerequisites PREQ: 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 PREQ: 329. Credits: 2

MUS 429 - Instrumental Conducting
Application of techniques and analysis to instrumental conducting. 3 Lab. Prerequisites PREQ: 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. 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. Credits: 1

MUS 468 - Composing for Film and Video
Materials and procedures in composing music in synchronization with film and video. Prerequisites PREQ: MUS 181, or 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 PREQ: 182 or 283; 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 PREQ: 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 PREQ: 379 or permission of instructor. Credits: 3

MUS 480 - Independent Study
Independent Study Prerequisites PREQ: 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 PREQ: MUS 379, 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 PREQ: 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 PREQ: 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. Prerequisites: COREQ: EDSE 490, 495. Credits: 3

MUS 493 - Topics in Music
Issues in music performance, education, or the music business. Prerequisites: PREREQ: Permission of department head. Credits: 1-3, R12

MUS 494 - Topics in Musical Theatre
Selected topics in musical theatre. Prerequisites: PREREQ: Permission of instructor. Credits: 1-3, R6

MUS 497 - Seminar in Piano Pedagogy
2 Lab. Prerequisites: PREREQ: Approval of instructor. Credits: (1, R4)

MUS 498 - Seminar in Accompanying
2 Lab. Prerequisites: PREREQ: 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 the present, with a focus on health of Indigenous Peoples of the 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: PREREQ: Junior or senior standing. Credits: 3

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 of patient care, structure of the American Dietetic Association, and current issues in the profession of dietetics. Credits: 3

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. 3 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. Prerequisites: COREQ: ND 331. Credits: 1

ND 303 - Quantity Food Production Lab
Quantity Food Production Lab to accompany Quantity Food Production, ND 333. Prerequisites: COREQ: NC 333. Credits: 1

ND 304 - Nutritional Assessment Lab
Nutritional Assessment Lab to accompany Nutritional Assessment Lecture, ND 334. Prerequisites COREQ: ND 334 Credits: 1

ND 306 - Nutrition Interviewing and Counseling Lab
Nutrition Interviewing and Counseling Lab to accompany Nutrition Interviewing and Counseling Lecture, ND 336. Prerequisites COREQ: ND 336 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 PREQ: ND major. ND 330 and BIOL 313. COREQ: 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 PREQ: ND 331. COREQ: ND 303 Credits: 2

ND 334 - Nutritional Assessment
Nutritional assessment of individuals using demographic, biochemical, anthropometric, and dietary parameters. Prerequisites PREQ: ND 330, BIOL 293, CHEM 133 and a nutrition major. COREQ: 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 PREQ: 330. Credits: 3

ND 336 - Nutrition Interviewing and Counseling Skills
Basic interviewing and counseling principles and strategies with application for promoting successful lifestyle and nutrition changes. Prerequisites PREQ: ND 330 and a nutrition major. COREQ: ND 306. Credits: 1

ND 338 - Normal and Therapeutic Nutrition
Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy. Prerequisites PREQ: BIOL 291, CHEM 133. PREQ or COREQ: 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 PREQ: 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 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 PREQ: 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 433 - Research Methods in Nutrition

Standard procedures for nutrient analysis, including proximate analysis of foods; introductory experimental design and methodology. 2 Lecture, 4 Lab. Prerequisites PREQ: MATH 170 or PSY 251. 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 PREQ: 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 PREQ: Permission of the instructor or nutrition major. Credits: 1

ND 439 - Introduction to Professional Practice

Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management. Prerequisites PREQ: Permission of the instructor or nutrition major. Credits: 1

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 PREQ: 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 PREQ: 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 diabetes, renal disease, cancer.
and pulmonary diseases. Prerequisites
PREQ: 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. 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
PREQ: Permission of instructor. Credits: 1-
3, R6

ND 495 - Seminar in Nutrition
Student presentations on current topics in
nutrition. Prerequisites PREQ: 436. Credits:
1

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 PREQ: 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 PREQ: 210 or
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 PREQ: 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 PREQ: NRM 210, or
permission of instructor. 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, 2 Lab. Credits: 3

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 PREQ: NRM 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: NRM 344, GEOG 324, or permission of instructor. Credits: 4

NRM 480 - Independent Study
Independent Study Prerequisites PREQ: 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 PREQ: 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. Prerequisites COREQ: NSG 398 & 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. Prerequisites COREQ: 305, 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 PREQ: 302, 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
PREQ.: Admission to the major
CO-REQ.: 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 PREQ: Admission to the major. COREQ: 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 PREQ.: Admission to the major
CO-REQ.: NSG 311 Credits: 2

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 PREQ.: Admission to major CO-REQ.: 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 PREQ.: Admission to the program CO-REQ.: 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 and 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 PREQ: Admission to the Nursing Program CO-REQ: NSG 310 and 311: Foundations of Nursing 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 PREQ: NSG 310, 311 and 314 CO-REQS.: 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 PREQ: Successful completion of 1st three years of RIBN program and NCLEX-RN. COREQ: NSG 302, 305, 322, and 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 PREQ: NSG 327. COREQ: NSG 329, NSG 471, NSG 472, and 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 PREQ: NSG 327. COREQ: NSG 328, NSG 471, NSG 472, and 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 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 PREQ/COREQ: 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. 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 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

**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

**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

**NSG 387 - Clinical Practicum II**  
Application of concepts of health care, health promotion, illness care and nursing roles in adult health acute care settings. S/U grading. Prerequisites NSG 340, 341, 350, 353, 383  
**Corequisites** NSG 342, 357

**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 PREQ: 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 PREQ: 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 PREQ: 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

**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 PREQ: 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 PREQ: NSG 320 and 321 CO-REQ.: 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

**NSG 413 - Maternal/Child Nursing Practicum** Application of nursing process with emphasis on the nursing science of childbearing and childrearing concepts. Prerequisites PREQ.: NSG 320 and 321 CO-REQ.: 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 411
Credits: 1

NSG 420 - Synthesis of Nursing Concepts
Synthesis of program outcomes for transition into nursing practice as a graduate nurse. Prerequisites NSG 410, 411, 412, 413 and 414. Corequisites NSG 421. Credits: 2

NSG 421 - Synthesis of Nursing Practicum
Application of program outcomes for transition into professional practice as a graduate nurse. Prerequisites PREQ.: NSG 410, 411, 412, 413 and 414 CO-REQ.: NSG 420 Credits: 3

NSG 422 - Concepts of Community/Mental Health Nursing
Integration of concepts of community and mental health nursing. Prerequisites PREQ.: NSG 410, 411, 412, 413 and 414 CO-REQ.: 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 PREQ.: NSG 410, 411, 412, 413 and 414 CO-REQ.: 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 PREQ.: NSG 410, 411, 412, 413 and 414 CO-REQ.: NSG 421 Credits: 2

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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: Permission of instructor. Credits: 1-3, R6

NSG 482 - Readings in Nursing
Readings in Nursing Prerequisites PREQ: 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

**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. (P3) 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 perversions? (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 about 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 365 - Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith
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. (P3) 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 PREQ: 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 PREQ: 6 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 PREQ: Life guard certification or permission of instructor. Credits: 2
PE 107 - Synchronized Swimming
Creative patterns and movement with music. 2 meetings. Prerequisites PREQ: 103 or equivalent. Credits: 1

PE 108 - Canoeing
One 2-hour meeting. Prerequisites PREQ: 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; isometric 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 skiin. 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 PREQ: Permission of instructor and recommendation of a physician. Credits: (1, R3)

PE 231 - Aquarobics 
Pool-based nonswimming 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. 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 

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 

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. 

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 

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. Credits: 2

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 PREQ: ENGL 202; permission of department head. Credits: (1-3)

PE 383 - Instructional Apprenticeship
Apprenticeship to develop teaching and leadership skills before student teaching. 3 hours per credit hour. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: BIOL 291 and BIOL 292. Credits: 3

PE 493 - Special Topics
Trends and issues in physical education, sport management, and recreation. Credits: ((3, R6))

**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/L. Credits: 3

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. COREQ: 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 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 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 PREQ: MATH 152 or MATH 153. COREQ: 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 PREQ: PHYS 230. Credits: 4

PHYS 302 - Electronics
Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits, and digital techniques. 3 Lecture, 3 Lab. Prerequisites PREQ: 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 PREQ: 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 PREQ: 131 or 231; MATH 255. Credits: 3

PHYS 322 - Optics
Geometrical and physical optics, introduction to quantum optics. Prerequisites PREQ: 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 PREQ: 131, MATH 256. Credits: 3

PHYS 330 - Geophysics
Geophysics Prerequisites PREQ: 130 or 230. COREQ: 131 or 231. Credits: 4

PHYS 335 - Astrophysics
Introduction to the basic principles of astrophysics; stellar structure, stellar evolution, galactic astronomy. Prerequisites PREQ: 231 or 131; MATH 256. Credits: 3

PHYS 360 - Laboratory Physics
Intermediate experiments in modern physics. Prerequisites PREQ: 131 or 231. Credits: 2

PHYS 380 - Research in Physics
Physics research projects for individual students. Lab; 3 hours weekly in lab per credit hour. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 454. 2
Lecture, 3 Lab. Prerequisites PREQ: Permission of instructor. Credits: 3

PHYS 493 - Topics in Physics
Topics in Physics Prerequisites PREQ: 350 or permission of department head. Credits: (2-4)

PHYS 495 - Seminar in Physics
S/U grading. 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 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 activities 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 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 Prerequisites None Corequisites None 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.
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 wa  
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 credit lab))  
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  
Current Description: Water-based outdoor pursuits instruction in canoeing or kayaking and basic rescue techniques.  
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, 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, PRM 260, PRM 270, PRM 280 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. 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 389 - Cooperative Education in PRM
See Cooperative Education Program. Credits: ((1 or 3, R15))

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 PREQ: 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 PREQ: 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. 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 440 - Travel and Tourism
Exploration of recreation-based tourism; national and international; demographics, economic, cultural, and environmental impacts; trends and research. Credits: 3

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 PREQ: 250 or permission of instructor. Credits: 3

PRM 480 - Independent Study
Independent Study Prerequisites PREQ: 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. Student 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. Student 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. 9 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 PREQ: Permission of instructor. Credits: ((1-12))

PRM 493 - Topics in Parks and Recreation Management
1 Lecture, 2 Lab. Prerequisites PREQ: Permission of program coordinator. Credits: 1-3, R6

PRM 495 - Senior Seminar in Parks and Recreation Management
Current trends and issues; individual research topics; employment decision making; graduate school advisement; presentation of internship experience. Credits: 1

Political Sciences

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 PREQ: 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 PREQ: 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 270 - Popular Culture in American Politics**
The role and influence of culture in and on American politics. The interplay between culture and politics examined through texts, novels, written media, and film. Credits: (3, R6)

**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

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 PREREQ: 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 PREREQ: 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 PREREQ: PSC 150 Credits: 3

**PSC 318 - Political Communication**
Examination and assessment of the power and influence of the mass media in politics. Prerequisites PREREQ: 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. Credits: 3

**PSC 324 - Political and Organizational Leadership**
Concepts and processes of leadership related to political and public organizations.
Prerequisites PREQ: 6 hours in political science or permission of instructor. 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 347 - American Social and Political Eras
American social and political ideas from the Federalist Papers to the present. Prerequisites PREREQ: PSC 150. 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 PREQ: 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. 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 110. 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 110. Credits: 3

PSC 357 - Political Violence
This course will introduce students to the study of political violence (terrorism, insurgency, revolutions, and state repression). Prerequisites PREQ: PSC 110. 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 PREREQ: PSC 110. 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 PREREQ: PSC 110. Credits: 3

PSC 370 - Politics of Ethnic Conflict
This class examines the political causes of ethnic conflicts across the globe. Prerequisites PREREQ: PSC 110. Credits: 3

PSC 375 - European Politics
Comparison of the political systems of selected nations. 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 110. Credits: 3

PSC 377 - Middle East Politics
This course will introduce students to the study of politics in the Middle East. Prerequisites PSC 110. Credits: 3

PSC 378 - Asian Politics
Selected political systems of East Asia; factors involved in political change and modernization. Prerequisites PSC 110. Credits: 3

PSC 379 - Latin American Politics
Institutions, groups, parties, and processes; problems of political development, modernization, and change. 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. 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 PREQ: Permission of the department. COREQ: 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. Prerequisites PREREQ: 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 PREQ: 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. 9 hours per week per course. Prerequisites PREQ: 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. 9 hours per week per course. Prerequisites PREQ: Permission of department head. Credits: 3

PSC 489 - Topics in Contemporary Political Systems
Problems in the structure and functions of selected political systems reflected against their political cultures. Credits: ((3, R6))

PSC 494 - Seminar: American Political Systems
Current issues in American government and politics. Credits: ((3, R6))

PSC 499 - Senior Capstone
Career exploration, resume building and job search strategies to help political science majors prepare for life after college. Prerequisites PREQ: PSC 110, 150 & 250 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 PREQ: 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 PREQ: 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 quasi-experimental research designs; inferential statistical analysis through 2-way ANOVA. Prerequisites PREQ: 271 or permission of instructor. Credits: 3

PSY 280 - Research in Psychology I
Introductory-level supervised bibliographical or research activity. S/U grading. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 wil Credits: 3

PSY 331 - Human Sexuality
Psychological, biological, social, and legal aspects of sexuality. (P1) Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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, exceptionalties, 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 PREQ: 150 or permission of instructor. Credits: 3

PSY 430 - Personality
Assumptions, constructs, and theories of personality; related empirical findings. Prerequisites PREQ: 150 or permission of instructor. Credits: 3

PSY 440 - Biological Psychology
Physiological, genetic, and evolutionary bases of behavior. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 150, junior-senior status. Credits: 3

PSY 480 - Research in Psychology
Supervised research experiences for advanced students. S/U grading.
Prerequisites PREQ: 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. 9 hours applicable to major. 10 hours per week per course.
Prerequisites PREQ: 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor.
Credits: 3

PSY 484 - Internship in Psychology
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course.
Prerequisites PREQ: 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor.
Credits: 3

PSY 485 - Internship in Psychology
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course.
Prerequisites PREQ: 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor.
Credits: 3

PSY 486 - Internship in Psychology
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course.
Prerequisites PREQ: 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor.
Credits: 3

PSY 495 - Senior Seminar in Psychology
Overview of the history and current state of psychology. Discussions of important facts, issues, concepts, and theoretical perspectives in psychology. Prerequisites PREQ: 272 or permission of instructor. Credits: 3

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

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

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 PREQ: RTH major or approval by instructor. COREQ: 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 practices drawn from wellness 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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. 3 hours per credit hour. Prerequisites PREQ: 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
Trends and contemporary issues in recreational therapy. Credits: ((1-3))

Science
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 PREQ: 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 COREQ: 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))

Sport Management
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 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 361 - Sport Marketing
Historical study of sport marketing; techniques in developing sport sponsorship proposals and effective sport promotions; sport marketing applications. Prerequisites MKT 201 for all students; SM 260 for sport management majors; 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 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 Permission of program coordinator or completion of all required coursework in the major. 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 SM major; SM 260 and 6 additional hours of SM courses. 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

Sociology
SOC 103 - Human Society
Analysis of human behavior in social and cultural contexts, emphasizing the sociological perspective. (P1) Credits: 3
SOC 190 - Freshman Seminar: Social Institutions and Issues
Exploration of various social institutions with a focus on the impact on human behavior using the seminar method of instruction. 3 Seminar. 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 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 PREQ: 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 PREQ: 103 or permission of instructor. Credits: 3

SOC 342 - The Individual in Society
Individual behavior in social context; social interaction. Prerequisites PREQ: 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 355 - Criminology
Nature, extent, and causes of criminal behavior; role of police, courts, and corrections; prevention and control programs. Prerequisites SOC 103 or permission of instructor Credits: 3

SOC 360 - Sociology of Conflict and Conflict Resolution
Analysis of sociological theories of social conflict, including Marx, Weber, Simmel, Coser, Dahrendorf, and Collins; case studies of conflict and conflict resolution stressing the applications of theory and research. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 385. Credits: 3

SOC 387 - Visual Sociology
This course will examine recent trends in the use of visual data in the social sciences in both theory and methodology. Prerequisites PREQ: SOC 103 or permission of the instructor. Credits: 3

SOC 389 - Cooperative Education in Sociology
See Cooperative Education Program. Prerequisites PREQ: 103 or permission of instructor. Credits: ((1 or 3, R15))

SOC 391 - Sociological Theory
The development of sociological theory; issues in classical and contemporary social thought. Prerequisites PREQ: 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 PREQ: 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. This course is cross-listed with SM 423. Prerequisites PREQ: Junior standing; SM 260 for SM majors. Credits: 3

SOC 428 - Sociology of Institutions
Theoretical explanations of institutions including education, factories, retail, health care, government, media, and politics, and their influence on society. Prerequisites PREQ: 103 or permission of instructor. Credits: 3

SOC 430 - Sociology of Childhood
This course is designed to examine the structural and institutional influences (race, gender, and class) on childhood. Prerequisites SOC 103 or permission of instructor. 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 PREQ: 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 PREQ: 103, or permission of instructor. Credits: 3

SOC 440 - Queer Sociology: Sexuality, Identity & Politics
Queer identities, politics, and practices are explored through sociological perspectives. Topics include heteronormativity, links between sexual practices and sexual politics and queer activism. 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 PREQ: 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 455 - Family Violence
Sociological approach to family violence, including child, spouse, and elder abuse; legal and social responses to each. Prerequisites PREQ: 103. 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 PREQ: 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. 9 hours per week per course. Prerequisites PREQ: 103 or permission of instructor. 3 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. 9 hours per week per course. Prerequisites PREQ: 103 or permission of instructor. 3 hours credit applicable to sociology major or minor. Credits: 3

SOC 494 - Topics in Sociology
Topics in Sociology Prerequisites PREQ: Permission of instructor. Credits: (1-3, R9)

Social Work

SOCW 151 - Introduction to Social Work
Social work as a profession; history; current practice settings; professional values and requirements. 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 PREQ: 151 or permission of instructor. Credits: 3

SOCW 320 - Gender and Power in Social Work
Focus on institutional policies and beliefs related to gender, and how these may affect social work practice among various client systems. 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 PREQ: 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 PREREQ: 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 Pre AND 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 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) 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 PREQ: 253, 335, and admission to the social work program. Credits: 3

SOCW 365 - 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 PREQ: Permission of instructor. Credits: (1-3, R9)

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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 420. Credits: 3

SOCW 425 - Science of Addictions
Biological basis of addiction; physiological
and psychological effects of substance
abuse. Prerequisites PREQ: 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 PREQ: 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 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 PREQ:
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 PREQ:
Permission of Director of Field Practicum.
COREQ: 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 PREQ: Permission of Director
of Field Practicum. COREQ: 486. Credits: 3

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
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 PREQ: 101 or equivalent. Credits: 3

SPAN 105 - The Spanish-Speaking World
Study of Spanish culture and its relationship to the cultures of countries and regions where Spanish is spoken. Credits: 3

SPAN 121 - Spanish for Criminal Justice Professionals
Students will develop basic language skills and communication strategies specifically designed to assist students pursuing careers in criminal justice. Credits: 1

SPAN 122 - Spanish for Social Workers
Students will develop basic language skills and communication strategies specifically designed to assist students pursuing careers in social work. Credits: 1

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 PREQ: 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 PREQ: 231 or equivalent or placement. Credits: 3

SPAN 231 - 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 PREQ: 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 232 or 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 232 or 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 232 or 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 PREQ: 232 or 240 Credits: 3

SPAN 321 - Hispanic Cultures I
This course will explore the cultures of the Spanish-speaking world, including geography, history, gastronomy, art, music, politics, economics, and other related topics. Prerequisites SPAN 232 or 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 PREQ: 232 or 240. PREQ or COREQ: 301 and 302, or permission of department head. 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 students' understanding of cultural diversity. Prerequisites PREQ or COREQ: SPAN 301 or permission of department head. Credits: 3

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 PREQ: 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 PREQ or COREQ: SPAN 301 or permission of department head. Credits: 3

SPAN 389 - Cooperative Education in Spanish
See Cooperative Education Program. Prerequisites PREQ: 301, 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 240 Credits: 3

SPAN 411 - National Identity in Literature and the Arts in the Spanish-Speaking World
National identities in Hispanic world and their reflection in literature and the visual arts. 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 PREQ: 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 PREQ: 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 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 the demonstrate themes of dissent and protest. Prerequisites PREQ: One of SPAN 331, 332 or 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
SPAN 441 - Laughter and Tears
Study of comedy and tragedy in the Spanish-speaking world. Prerequisites PREQ: SPAN 331, 332 or 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 PREQ: 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 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 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 PREQ: WLL 311 or permission of department head. Credits: 3

SPAN 481 - Independent Studies in Spanish
Independent Studies in Spanish Prerequisites PREQ: 301 and 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.

SPAN 493 - Special Topics in Spanish
Topics will vary. Prerequisites PREQ or COREQ: SPAN 301 or permission of department head. Credits: (3, R9)

Special Education

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 PREQ: 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 PREQ: 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 PREQ: 240 and 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 PREQ: 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: PREQ: 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: PREQ: 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: PREQ: 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: PREQ: EDCI 201 & 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: PREQ: 240 and 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 405 - Exceptional Learners in the General Curriculum II
Multidisciplinary approach to mental retardation; mental performance and functioning related to human development. Prerequisites: PREQ: 240. 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: PREQ: 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: PREQ: 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: PREQ: 240 and 241. Credits: 3

SPED 417 - Managing Classrooms for Exceptional Children
Principles and techniques of classroom and behavior management. Prerequisites: PREQ:
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 moderate disabilities. Prerequisites PREQ: 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 PREQ: 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 PREQ: 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
3-9 hours field experience. Three hours per credit hour. Prerequisites PREQ: Written application, permission of instructor and adviser. 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. 9 hours per week. Credits: ((3, R6))

SPED 490 - Inclusive Education Internship II
A full-time teaching experience. Corequisites SPED 495 Credits: (9)

SPED 493 - Special Topics in Special Education
Special topics relevant to Special Education. Credits: 1-3, R6

SPED 495 - Inclusive Education Seminar
Working with parents, teachers, students, and others in a helping consultative relationship; skills for effective participation on interdisciplinary teams. Prerequisites SPED 484 Corequisites SPED 490 Credits: 3

Telecommunications
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 PREQ: 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 PREQ: 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 PREQ: 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 PREQ: 346. Credits: 3

TEL 480 - Problems in Telecommunications
Independent study in telecommunications engineering technology: project required. Prerequisites PREQ: Permission of adviser and instructor. Credits: 1-3, R6

TEL 493 - Special Topics
Current topics in telecommunications. Prerequisites PREQ: 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 130 - Makeup
Application of stage makeup. Credits: 1

THEA 131 - Introduction to Professions
Survey of theatre and related professions and script analysis for beginning majors and minors. 2 Lecture, 2 Lab. Credits: 3

THEA 140 - Acting I
Introduction to the basic principles of acting. Credits: 3

THEA 170 - Theatre Production Seminar
Orientation to theatre front of house operations including business procedures and practices for theatrical productions. Participation in creation and distribution of public relations for productions. 1 Lecture, 2 Lab. S/U Grading. Credits: 1

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 173 - Theatre Production: Costume
Hands-on participation in the construction or operation of stage costumes and accessories. Credits: ((1, R2))

THEA 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

THEA 220 - Stage Movement
Basic stage movement techniques using physicality to create realistic and effective characterizations. Includes Stage Combat. 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 237 - Costume Crafts and Makeup
Introduction to costume crafts, construction, wardrobe and makeup for Theatre, Motion Picture and TV. 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 240. Credits: 1
THEA 270 - Theatre Arts Workshops I
Practical experience in productions. Prerequisites PREQ: THEA 170 or permission of instructor. Credits: (1, R4)

THEA 271 - Theatre in Education Workshop I
Experiential development of theatre with an educational goal focused on culture, literature, art, music, and service. (P5) Credits: 3

THEA 302 - Dramatic Literature and Criticism
A survey of Western dramatic literature and modes of criticism from antiquity to contemporary theater. 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 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 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 shop. 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
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 370 - Theatre Arts Workshops II
Advanced experience on stage or backstage in a major role or in a leadership position of a production. Prerequisites THEA 270 & permission of instructor. Credits: (2, R6)

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 the Theatre I
Origins, development of theatrical forms, and style through the study of acting,
physical facilities, design, and cultural milieu; Greek period to 1700. Prerequisites 60 hours. Credits: 3

THEA 401 - History of the Theatre II
Origins, development of theatrical forms, and style through the study of acting, physical facilities, design, and cultural milieu; 1700 to present. Prerequisites 60 hours. Credits: 3

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 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 483 - Internship in Theatre Arts
Work experience in the theatre industry. S/U grading. 9 hours per week per 3-hour course. Prerequisites Completed 60 hours and/or permission of department head. Credits: 3, R9

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 - B.A. Senior Project
Capstone course for the B.A. 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 499 - BFA Thesis/Senior Showcase
BFA Thesis/Senior Showcase Credits: 2

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 in. Credits: 1

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

University Experience

UE 101 - University Experience
Introduction to an online learning environment. Emphasis on student services, skills for success and community building. Credits: (0)

University Studies-Interdisciplinary

USI 101 - Honors Forum
Interdisciplinary introduction to the academic milieu scholarly controversy, the ferment of ideas, study, and research. Credits: 1
USI 103 - Humanities Colloquium I: Humanities in the Region
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape southern Appalachian mountain life. Seminar. Credits: 1

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 131 - Thriving in College
An exploration of self within the university experience. A discussion of topics related to personal development within the college environment. Emphasis on identity, leadership and relationship 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 203 - Humanities Colloquium II: The Humanities in the Nation
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the nation. Seminar. 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 303 - Humanities Colloquium III: The Humanities for World Cultures
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the world. Seminar. Credits: 1

USI 380 - Undergraduate Research in the Discipline
Provides students the opportunity to conduct undergraduate research and be mentored by a WCU faculty member. Prerequisites Permission of instructor. Credits: 3

USI 393 - Topics in International Studies I
Interdisciplinary introduction to the civilization and culture of a particular country or region and its relationship with the United States. Credits: (3, R6)

USI 394 - Topics in Cherokee Studies
Selected individual or interdisciplinary aspects of Cherokee culture and society
offered by various departments. Credits: 3, R9

USI 395 - Topics in International Studies II
Interdisciplinary study of the civilization, environment, and culture of a country or region and its relationships with the United States and the world community. Credits: (1-3, R4)

USI 396 - Honors Colloquium
Interdisciplinary discussion of a topic of special concern selected in consultation with honors students. Prerequisites Junior standing, 3.0 GPA. Credits: (3, R6)

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: 1

USI 497 - Honors Seminar
Interdisciplinary seminar featuring student research directed toward a topic selected in consultation with honors students. Prerequisites Junior standing with 3.0 GPA. Credits: (3, R6)

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

Susan Marie Abram; SS Adjunct; History; PHD, Auburn University, 2009; BS, Western Carolina University, 2000; MA, Western Carolina University, 2000; AS, Univ Indianapolis, 1973; Date of Appointment: 2008

Andrew D. Adams; Associate Dean/Assoc Prof; Office, Dean, Fine & Performing Art; DMA, Univ Colorado Boulder*, 2005; MM, Univ Illinois Urbana*, 1990; BM, Univ Missouri Kansas City, 1988; Date of Appointment: 2006

Elizabeth Cogburn Adams; SS Adjunct; School of Health Sciences; MS, Univ North Carolina Greensboro, 1984; BS, Univ North Carolina Greensboro, 1982; Date of Appointment: 2013

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, Univ 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 Also; 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 Mgmt; Date of Appointment: 2017

Ann Laveda Sundstrom Allen; SS Adjunct; Human Services; EDD, Univ of Cincinnati, 2008; MED, Univ of Cincinnati, 1995; BA, University of Kentucky, 1985; Date of Appointment: 2009

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, Univ 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 Binghamton, 2007; MA, Foreign Inst, 1998; BA, Foreign Inst, 1993; Date of Appointment: 2007

Cynthia Ann Atterholt; Associate Professor;Chemistry & Physics; PHD, Univ Calif 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, Univ North Carolina Chapel HI, 1993; Date of Appointment: 2013

Lily Graessle Balloffet; Assistant Professor;History; PHD, Univ Calif 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 Inst, 1971; BS, Foreign Inst, 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, University of Washington, 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, Univ North Carolina Chapel HI, 1996; BS, Univ Central Florida, 1990; Date of Appointment: 1996

Jennifer A Barrett; Assistant Professor;School of Teaching and Learning; ; 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

David Orr Belcher; Chancellor; Office of the Chancellor; DMA, Univ Rochester, 1989; Date of Appointment: 2011

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; ; 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, Univ North Carolina Chapel HI, 2012; MA, Univ North Carolina Chapel HI, 2007; BA, Univ North Carolina Chapel HI, 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 Univ Morgantown, 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 Inistit, 1991; BS, Foreign Inistit, 1989; Date of Appointment: 2007

Linda S Bowers; Clinical Supervisor; Comm Sciences & Disorders; MS, Auburn
Jonathan Lennon Bradshaw; Assistant Professor; English; PhD, Miami University, 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 Branco; Assistant Professor; Criminology & Criminal Justice; 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; MSED, Univ Rochester, 1993; BS, Cornell University, 1989; Date of Appointment: 2001

Rachel York Bridgers; Lecturer; English; MA, Western Carolina University, 1997; Date of Appointment: 2016

Kennon Darvie Briggs; SS Adjunct; Human Services; MPA, NC State University, 1980; BA, NC State University, 1978; Date of Appointment: 2017

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; PhD, Univ Maryland College Park*, 1973; BA, Eastern Kentucky University, 1973; Date of Appointment: 2008

Margaret Ervin Bruder; Lecturer; English; PhD, Indiana Univ Bloomington*, 2003; MA, Univ North Carolina Chapel HI, 1989; BA, Davidson College, 1984; Date of Appointment: 2007

Heidi Elizabeth Buchanan; Professor/Res & Inst Lbrn; Office of the Dean - Hunter Library; MLS, Univ North Carolina Chapel HI, 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

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; Assoc Provost Undergrad St; Undergraduate Studies; 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: 2011

David J Butcher; Professor; Chemistry & Physics; PHD, Univ Connecticut, 1990; BS, Univ Vermont, 1982; Date of Appointment: 1990

Karen L Butcher; Instructor; Chemistry & Physics; PHD, Univ Connecticut, 1990; BS, Univ Vermont, 1982; Date of Appointment: 2004

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 Univ Morgantown, 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, Caliif 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; MS, Foreign Instit, 1972; BS, 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

Amanda Bell Chapman; Instructor; School of Teaching and Learning; MSED, Arkansas State University, 2011; BSED, Western Carolina University, 2006; Date of Appointment: 2006

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 Univ West Lafayette*, 1985; Date of Appointment: 1996

Cheryl Carmen Clark; SS Adjunct; School of Nursing; MS, Caliif 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, Univ North Carolina Chapel HI, 1995; Date of Appointment: 2016

Mae Miller Claxton; Associate Professor; English; PHD, Univ Georgia Athens*, 1998; MA, Univ North Carolina Chapel HI, 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, Univ North Carolina Chapel HI, 2000; BA, Univ North Carolina Chapel HI, 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, Univ North Carolina Chapel HI, 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

Karen 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, Univ At Buffalo, 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, Univ Memphis, 1989; MBA, Univ Memphis, 1987; BBA, Univ 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; ; Date of Appointment: 2017

Russell Clay Curtis; Professor; Human Services; PHD, Univ North Carolina Greensboro, 2000; MHDLC, Univ North Carolina Charlotte, 1993; BA, NC State University, 1988; Date of Appointment: 1999

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 Dagenhard; 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; BSN, Gardner-Webb University, 2010; 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, Virginia Polytech Inst St U, 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, Virginia Polytech Inst St U, 1990; BS, Virginia Polytech Inst St U, 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, Sports Mgt; MBA, Univ of Central Missouri, 1984; BSBA, Univ of Central Missouri, 1983; Date of Appointment: 2006

Andrew Craig Denson; Assoc Prof; History; PHD, Indiana Univ Bloomington*, 2000; MA, Indiana Univ Bloomington*, 1994; BA, Univ Illinois Urbana*, 1992; Date of Appointment: 2004

Jerry Nelson Denton; Lecturer/Lab Tech; School of Engineering & Technology; MS, Western Carolina University, 2003; BS, Western Carolina University, 2002; Date of Appointment: 2004

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

Paul Kent Dezendorf; SS Adjunct; School of Health Sciences; PHD, Univ South Carolina Columbia*, 1998; MSW, Univ South Carolina Columbia*, 1995; MBA, Rutgers State Univ of NJ - New, 1979; BA, Drew University, 1972; Date of Appointment: 2010

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; BS, Stony Center
Stony Brook, 1992; BA, Suny Center Stony Brook, 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, Univ North Carolina Chapel HI, 2007; MA, Univ North Carolina Chapel HI, 1997; BA, Univ North Carolina Chapel HI, 1995; Date of Appointment: 2014

Sharon F. Dole; Professor; School of Teaching and Learning; PHD, Univ Georgia Athens*, 1999; EDS, Georgia Southern University, 1985; EDS, Georgia Southern University, 1985; MA, Louisiana St Univ Baton Rouge*, 1980; BA, Barry University, 1965; Date of Appointment: 1999

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; 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; MAED, Western Carolina University, 2008; BS, Appalachian State University, 1995; Date of Appointment: 2017

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, Univ North Carolina Chapel HI, 1983; Date of Appointment: 2008

Jane M. Eastman; Associate Professor; Anthropology & Sociology; PHD, Univ North Carolina Chapel HI, 1999; MA, Univ North Carolina Chapel HI, 1990; BA, Univ North Carolina Chapel HI, 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

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 Virginia 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, Univ North Carolina Chapel Hl, 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, 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, Virginia Polytech Inst St U, 2014; MS, Virginia Polytech Inst St U, 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; School of Engineering & Technology; PHD, Air Force Inst Tech, 1996; MS, Air Force Inst Tech, 1988; BS, University of Florida, 1984; Date of Appointment: 2010

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 Instit, 1993; BA, Foreign Instit, 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: 2017

Geoff R. Goehle; Associate Professor; Mathematics & Computer Science; PHD, Dartmouth College, 2009; MS, Portland State University, 2004; BS, Univ Colorado 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 Undergrad Studies; Psychology; PHD, Univ North Carolina Chapel HI, 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; MENG, Univ Politecnica de PuertoRico, 2012; Date of Appointment: 2017

Jill Nelson Granger; Dean/Professor; Office of the Dean, Honors; PHD, Purdue Univ West Lafayette*, 1993; Date of Appointment: 2015

Jessica Erin Graning; Assistant Professor; Physical Therapy; DPT, Duke University, 2003; BA, Univ North Carolina Chapel HI, 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 Inst, 2014; MS, Foreign Inst, 2009; BS, Foreign Inst, 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; Date of Appointment: 2017

Angela Johnson Grube; School Director AFB/Professor; Acc, Fin, Info Sys, Bus Law; PHD, Florida State University, 1998; MPA, Georgia Coll & State Univ, 1994; MS, Georgia Southern University, 1992; BA, 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

Mona Joan Gulino; SS Adjunct; School of Nursing; Date of Appointment: 2017

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,
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; MLSLS, Univ North Carolina Chapel Hil, 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: 2010

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 College 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; ; Date of Appointment: 2017

Glenda Gale Hensley; Director, First Year Exp; Undergraduate Studies; MAED, Prescott College, 2004; BFA, Univ North Carolina Greensboro, 1981; Date of Appointment: 2005

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

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 Himmel Crawford; Assistant Professor; Human Services; PHD, Emory University, 2014; AM, Brown University, 2008; BA, NC State University, 2006; 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

James Bennett Holleman; SS Adjunct; School of Nursing; MD, Univ North Carolina Chapel HI, 1992; BS, NC State University, 1988; Date of Appointment: 2012

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. Hombarger; 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: 2005

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, Boston University, 1988; Date of Appointment: 2003

Ye Qin Huang; Assistant Professor; School of Engineering & Technology; PHD, Univ
Nebraska Lincoln*, 2003; MS, Foreign Insti, 1985; BS, Foreign Insti, 1982; Date of Appointment: 2007

Michael W Hubble; Professor; School of Health Sciences; PHD, Univ Maryland Baltimore Co, 1997; MBA, Univ North Carolina Chapel HI, 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 Coll; 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; Office, Dean, Health & Human Sci; PHD, University of Delaware, 2004; MS, University of Delaware, 1999; BS, Ithaca College, 1989; Date of Appointment: 2007

Thabryxelle Hudson; Assistant Professor; Acct, Fin, Info Sys, Bus Law; 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; Date of Appointment: 2017

Larry E. Hunter; Head Men's Basketball Coach; Office of Athletic Programs; MS, Ohio Univ Athens, 1973; BSED, Ohio Univ Athens, 1971; Date of Appointment: 2005

Summer Huntley-Dale; Assistant Professor; School of Nursing; PHD, University of Phoenix, 2015; Date of Appointment: 1996

John Casey Hurley; Professor; Human Services; PHD, Univ Wise 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, Univ North Carolina Chapel HI, 2001; BA, University of Chicago, 1993; Date of Appointment: 2006

Hugh Jack; Distinguished Professor; School of Engineering & Technology; PHD, Foreign Insti, 1994; MES, Foreign Insti, 1991; BS, Foreign Insti, 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: 1986

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; BA, 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; PHD, Georgia State University, 1996; BSBA, Southeastern Louisiana Univ, 1996; MS, Georgia State University, 1996; Date of Appointment: 1996


Jeremy Brian Jones; Associate Professor; English; MFA, Univ Iowa, 2009; BA, Elon University, 2004; Date of Appointment: 2013

Whitney Paige Jordan; Librarian/Assistant Prof; Office of the Dean - Hunter Library; MS, Univ Glasgow, 2013; Date of Appointment: 2017

Kathleen Topolka Jorissen; SS Adjunct; Human Services; PHD, Univ of Minnesota-Twin Cities, 2000; MA, Univ of Minnesota-Twin Cities, 1979; BS, Univ of Minnesota-Twin Cities, 1968; Date of Appointment: 2006

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, Virginia Polytech Inst St U, 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
Robert W Kehrberg; SS Adjunct; School of Music; PHD, Univ Northern Colorado, 1983; BM, Univ Iowa, 1968; MM, Univ Iowa, 1967; Date of Appointment: 1987

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: 2006

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 Keskula; 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 Colorado Boulder*, 2003; MS, Univ Colorado Boulder*, 1999; BA, Amherst College, 1996; Date of Appointment: 2006

Brent Kinser; Dept Head/Professor; English; PHD, Univ North Carolina 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 Kloeppel; Dean Grad Sch & Res/Professor; Office of Dean Grad School Research; PHD, Univ Wisconsin Madison*, 1998; MS, Penn State Univ-Univ Park, 1992; BS, Univ Wisconsin 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. Kreahling; 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, Virginia Polytech Inst St U, 2015; Date of Appointment: 2015

Nathan A. Kreuter; Associate Professor; English; PHD, Univ Texas Austin, 2010; MA, Univ Texas Austin, 2006; BA, Univ 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; 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 Colorado 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; MS, Indiana St Univ Terre Haute*, 2012; BS, Foreign Instit, 2008; Date of Appointment: 2016

Laura Setzer Lembeck; Lecturer; Mathematics & Computer Science; MS, Florida State University, 2006; MS, Florida Atlantic 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, University of Washington, 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, Virginia Polytech Inst St U, 1988; BS, Syracuse University, 1982; Date of Appointment: 2005

Kae Livsey; Associate Professor; School of Nursing; PhD, George Mason University, 2007; MPH, Emory University, 1993; BSN, Univ North Carolina Chapel HI, 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

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, Univ 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; Date of Appointment: 2017

Terrence Vaughn Mann; Endowed Professor; Office, Dean, Fine & Performing Art; BFA, NC School Of The Arts, 1976; Date of Appointment: 2006

Jill Ann Manners; Assoc Prof; School of Health Sciences; MS, West Virginia Univ Morgantown, 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 Mass Amherst*, 2010; MSN, Vanderbilt University, 2003; Date of Appointment: 2014

Nadia Fernanda Marconi; Assistant Professor; Physical Therapy; PhD, Foreign Instit, 2005; MS, Foreign Instit, 2000; BS, Foreign Instit, 1996; Date of Appointment: 2016

Elizabeth Ann Marcus; Assistant Professor; Office of the Dean - Hunter Library; BA, Western Carolina University, 2006; Date of Appointment: 2008
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 Wise Madison*, 1988; BS, Duke University, 1983; Date of Appointment: 2003

Terry Joseph Martin; Assistant Professor; School of Stage & Screen; 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; 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 Mgr/ 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; 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 University, 2010; Date of Appointment: 2015

William McDaniel; SS Adjunct; School of Engineering & Technology; EDD, Clemson University, 1993; EDS, Western Carolina University, 1988; MIT, Western Carolina University, 1981; BS, Western Carolina University, 1980; Date of Appointment: 1981

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; Assoc 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: 2004

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 Univ West Lafayette*, 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, 1980; BA, Brigham Young Univ, 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

Nicole Danielle McRight; SS Adjunct; Comm Sciences & Disorders; MS, Western Carolina University, 2010; BA, Winthrup University, 2000; Date of Appointment: 2008

Angela Marie Mech; Assistant Professor; Geosciences & Natural Resources; Date of Appointment: 2017

Matthew Meier; Assistant Professor; Psychology; PHD, Univ North Carolina Greensboro, 2014; MA, Appalachian State University, 2008; BA, Rutgers The State Univ of NJ, 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, Univ North Carolina Chapel HI, 1990; MA, Univ North Carolina Chapel HI, 1984; BA, University of Chicago, 1976; Date of Appointment: 2001

Glenn Davis Middleton; Assistant Professor; Human Services; BS, Northern Arizona University, 1997; Date of Appointment: 2016

Jerry R. Miller; Distinguished Professor; Geosciences & Natural Resources; PHD, Southern Illinois Univ Carbondale, 1990; MS, Univ New Mexico Albuquerque, 1985; BS, Southern Illinois Univ Carbondale, 1982; Date of Appointment: 2000

Monica Burrell Miller; Instructor; TRACS; MAED, Western Carolina University, 2008; BSED, Western Carolina University, 1995; Date of Appointment: 1996

Laura Kathryn Minton; Asst Prof/Curator Cltns & Exhib; Office, Dean, Fine & Performing Art; MA, University of Kansas, 2014; Date of Appointment: 2016

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

Alison Morrison-Shetlar; Provost/VCAA/Prof; Office of the Provost; 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; Econ, Mgt, Proj Mgt; 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, Western 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, Univ Memphis, 1981; BS, Univ Southern Mississippi, 1979; Date of Appointment: 1992

Yumiko Ono; Instructor; World Languages; MA, Univ Mass 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; 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

Darrell Franklin Parker; Dean/Professor; Office of the Dean, Business; PHD, Purdue Univ West Lafayette*, 1984; MS, Purdue Univ West Lafayette*, 1981; Date of Appointment: 2012

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

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: 2008

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

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

Aminah Farita Perkins; SS Adjunct; Human Services; PHD, Emory University, 2013; MA, Univ Georgia Athens*, 2008; BS, Spelman College, 2004; Date of Appointment: 2017

April Lillian Perry; Assistant Professor; Human Services; PHD, Foreign Instit, 2012; MAED, Univ Centrl Oklahoma, 2007; BA, Univ Centrl Oklahoma, 2005; Date of Appointment: 2014

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, Univ North Carolina Chapel HI, 2009; MA, Columbia Univ Columbia College, 1995; BA, Bard College, 1991; Date of Appointment: 2011

Leslie Scott Philyaw; Associate Professor; History; PHD, Univ North Carolina Chapel HI, 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: 2015

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

Dolly Lynn Pressley Byrd; SS Adjunct; School of Health Sciences; MSN, Yale University, 2001; BA, Wake Forest University, 1995; Date of Appointment: 2013

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
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: 2010 

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; Distingshd  
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 Univ West Lafayette*, 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; ; Date of  
Appointment: 2017 

Tony Adel Rizk; Assistant Professor; School  
of Engineering & Technology; ; Date of  
Appointment: 2017 

Anthony James Roberson; Dir School of  
Nursing/Prof; School of Nursing; ; 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, Univ 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: 2000

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; 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: 1995

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/Screenwriting/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 Wisc 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: 2004

Laura Patton Samal; Lecturer; English; PHD, Univ Tennessee Knoxville*, 2008; MA, Western Carolina University, 2001; BA, Univ North Carolina Chapel HI, 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

Arshak Sargsyan; SS Adjunct; School of Nursing; MSN, Vanderbilt University, 2008; Date of Appointment: 2010
Sandra Mae Saunders; Visiting Asst Prof; English; PHD, Florida State University, 1995; MA, Wake Forest 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, Univ Connecticut, 2003; Date of Appointment: 2013

Krista D. Schmidt; Assoc Prof/Ref Lib/Sci Liaison; Office of the Dean - Hunter Library; MSLS, Univ North Carolina Chapel HI, 2002; Date of Appointment: 2003

Shane DeGennaro Schoepfer; Assistant Professor; Geosciences & Natural Resources; Date of Appointment: 2017

Lori A. Schrodt; Professor; Physical Therapy; PHD, Univ North Carolina Chapel HI, 2005; MS, Univ North Carolina Chapel HI, 2000; BS, Ithaca College, 1992; Date of Appointment: 2004

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 Mgmt; MS, Appalachian State University, 2012; Date of Appointment: 2014

Michelle Le 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, Northern Arizona University, 2003; BS, Northern 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,
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

Omidreza Shoghli; SS Adjunct; Kimmel School of Construction Mgmt; PHD, Virginia Polytech Inst St U, 2014; MS, Foreign Instit, 2007; BS, Foreign Instit, 2004; 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 Crolley Simic; Associate Professor; Social Work; PHD, Univ Georgia Athens*, 2006; MSW, Univ Georgia Athens*, 1994; BS, Kennesaw State University, 1990; Date of Appointment: 2006

Kimberly Barnes Simmons; SS Adjunct; Human Services; EDD, Western Carolina University, 2016; MSA, Appalachian State University, 2003; BA, Appalachian State University, 1994; Date of Appointment: 2017

Debby F. Singleton; Visiting Instructor; Human Services; MA, Univ North Carolina Chapel HI, 1986; BS, Longwood University, 1984; Date of Appointment: 1999

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/Spc Dgtl Coll Librn; Office of the Dean - Hunter Library; MIS, Univ Michigan Ann Arbor*, 2011; Date of Appointment: 2014

Alan David Smith; Climbing Wall Manager 15.00; Human Services; MA, Appalachian State University, 2012; BS, Indiana Univ Pennsylvania, 2008; Date of Appointment: 2016

Eva Marie Smith; Associate Professor; Ent, Hosp, Tourism, Mkt, Sports Mgt; PHD, Univ Tennessee Knoxville*, 2008; MA, Univ South Carolina Columbia*, 1999; BA, Wofford College, 1989; Date of Appointment: 2016

Rachel Farmer Smith; SS Adjunct; School of Nursing; MPH, Univ North Carolina Chapel HI, 2008; BSN, Western Carolina University, 1995; Date of Appointment: 2008

Kristin Marie Smyth; Assistant Professor; Social Work; : 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, Univ North Carolina Chapel HI, 2000; Date of Appointment: 2016

David Travis Solomon; Assistant Professor; Psychology; MA, Western Carolina University, 2012; Date of Appointment: 2017

Michelle Janet Sorensen; Assistant Professor; Philosophy & Religion; PHD, Columbia Univ Columbia College, 2013; MPHIL, 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; 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; Office of the Dean - Hunter Library; MLIS, Univ South Carolina Columbia*, 1997; Date of Appointment: 2001

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; ; 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; ; Date of Appointment: 2017

Adrienne Stuckey; Assistant Professor; School of Teaching and Learning; PHD, Georgia State University, 2015; MAED, Virginia Polytech Inst St U, 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

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: 2007

Martin L. Tanaka; Associate Professor; School of Engineering & Technology; PHD, Virginia Polytech Inst St U, 2008; MS, Virginia Polytech Inst St U, 1993; BS, NC State University, 1992; Date of Appointment: 2010

Erin E Tapley; Prof/Dir Sch of Art Design; School of Art & Design; PHD, Univ 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, Univ 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, Univ Iowa, 1971; Date of Appointment: 2004

Blair Ryan Tormey; Coastal Research Scientist; Program for Study of Dev Shorelines; MS, Univ North Carolina Chapel Hl, 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 Mass Amherst*, 2010; MBA, Univ Mass Amherst*, 2006; BA, University of Notre Dame, 2001; Date of Appointment: 2011

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; ; 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, Univ 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, Suny Center Stony Brook, 1995; MSED, SUNY @ New Paltz, 1995; BS, Lenoir-Rhyne University, 1990; BA, 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

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 Mass 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 Wis Madison*, 2004; MS, Univ North Carolina Chapel Hl, 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

Janet Lee Baldwin Webster; SS Adjunct; Human Services; EDD, Western Carolina University, 2003; Date of Appointment: 2017

Jessica Renee Weiler; Assistant Professor; Human Services; PHD, Univ Wis Madison*, 2013; Date of Appointment: 2009

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

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; Assistant Professor; School of Teaching and Learning; Ed.D, 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 University, 2017; MSN, Emory University, 1991; BSN, Western Carolina University, 1987; Date of Appointment: 2008

Barbara J. White; Professor; Accounting, Finance, Information Systems, Business Law; PH.D, University of Mississippi, 2005; MBA, East Carolina University, 2001; BA, University of North Carolina Chapel Hill, 1984; Date of Appointment: 2005

Dustin Graham Whitehead; Assistant Professor; School of Stage and 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; Associate Professor; Philosophy & Religion; PH.D, Villanova University, 2005; MA, Villanova University, 1999; BA, Wake Forest University, 1997; Date of Appointment: 2005

Sue Stewart Wingfield; Associate Professor; Human Services; PH.D, University of Houston Main Campus*, 1992; MBA, University of Houston Main Campus*, 1990; BSME, University of Houston Main Campus*, 1981; Date of Appointment: 2017

John Allan Williams; Professor; Anthropology & Sociology; PH.D, Ohio State University, 1980; MA, Ohio State University, 1976; BS, Ohio State University, 1975; Date of Appointment: 2003

Brett Alan Wilson; SS Adjunct; Human Services; Ed.D, Western Carolina University, 2016; MSA, Western Carolina University, 2011; BA, NC State University, 2001; Date of Appointment: 2017

Evelyn Anne Wilson; Assistant Professor; School of Health Sciences; MHS, University of North Carolina at Chapel Hill, 1994; BS, Erskine College, 1994; Date of Appointment: 2011

Sue Stewart Wingfield; Associate Professor; Human Services; PH.D, University of Houston Main Campus*, 1992; MBA, University of Houston Main Campus*, 1990; BSME, University of Houston Main Campus*, 1981; Date of Appointment: 2017

Kimberly Kristine Winter; Assistant Professor; Philosophy & Religion; PH.D, Villanova University, 1999; BA, Wake Forest University, 1997; Date of Appointment: 2005

Pavel Wlosok; Professor; School of Music; MMUS, University of North Texas, 2000; BM, University of North Texas, 1998; Date of Appointment: 2002

Brianna Dallison Wiener; SS Adjunct; School of Nursing; MS, Western Carolina University, 2012; BS, University of North Florida, 2008; Date of Appointment: 2014

Denise A. Wilfong; Associate Professor; School of Health Sciences; PH.D, University of Tennessee Knoxville*, 2009; MHS, Western Carolina University, 2000; BS, Western Carolina University, 1994; Date of Appointment: 2001

Dolores Willey; Associate Professor; Accounting, Finance, Information Systems, Business Law; Ed.S, Appalachian State University, 2004; Ed.D, Appalachian State University, 2004; J.D, University of Tennessee Knoxville*, 1977; BA, Maryville College, TN, 1974; Date of Appointment: 2004

John Allan Williams; Professor; Anthropology & Sociology; PH.D, Ohio State University, 1980; MA, Ohio State University, 1976; BS, Ohio State University, 1975; Date of Appointment: 2003

Brett Alan Wilson; SS Adjunct; Human Services; Ed.D, Western Carolina University, 2016; MSA, Western Carolina University, 2011; BA, NC State University, 2001; Date of Appointment: 2017

Evelyn Anne Wilson; Assistant Professor; School of Health Sciences; MHS, Western Carolina University, 2008; BS, Erskine College, 1994; Date of Appointment: 2011

Sue Stewart Wingfield; Associate Professor; Human Services; PH.D, University of Houston Main Campus*, 1992; MBA, University of Houston Main Campus*, 1990; BSME, University of Houston Main Campus*, 1981; Date of Appointment: 2017

Kimberly Kristine Winter; Dean; CEAP/Professor; Office of the Provost; PH.D, Indiana State University Terre Haute*, 1999; MED, Indiana State University Terre Haute*, 1997; BS, University of Texas Austin, 1994; Date of Appointment: 2012

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