Western Carolina University

Undergraduate Catalog
2010-2011
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.

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## 2010-2011 Academic Calendar

### Fall 2010

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<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>August 19</td>
<td>Thursday</td>
<td>Freshman Orientation</td>
</tr>
<tr>
<td>August 19</td>
<td>Thursday</td>
<td>Asheville Registration, Karpen Hall, UNCA (4 00 - 6 30 PM)</td>
</tr>
<tr>
<td>August 20</td>
<td>Friday</td>
<td>Residence Halls Open (New Students)</td>
</tr>
<tr>
<td>August 20</td>
<td>Friday</td>
<td>Transfer Orientation</td>
</tr>
<tr>
<td>August 21</td>
<td>Saturday</td>
<td>Residence Halls Open (All Students)</td>
</tr>
<tr>
<td>August 23</td>
<td>Monday</td>
<td>All Classes Begin (8 00 AM)</td>
</tr>
<tr>
<td>September 3</td>
<td>Friday</td>
<td>University Census Day (5 00 PM)</td>
</tr>
<tr>
<td>September 3</td>
<td>Friday</td>
<td>Deadline to Complete On-line Application to Graduate in Fall 2010</td>
</tr>
<tr>
<td>September 6</td>
<td>Monday</td>
<td>Labor Day Holiday (No classes)</td>
</tr>
<tr>
<td>September 27</td>
<td>Monday</td>
<td>Fifth Week Grades Due (5 00 PM)</td>
</tr>
<tr>
<td>October 9</td>
<td>Saturday</td>
<td>Homecoming</td>
</tr>
<tr>
<td>October 14-19</td>
<td>Thursday -Tuesday</td>
<td>Fall Break</td>
</tr>
<tr>
<td>November 3</td>
<td>Wednesday</td>
<td>Advising Day (No classes or faculty meetings)</td>
</tr>
<tr>
<td>November 3</td>
<td>Wednesday</td>
<td>Graduation Fair</td>
</tr>
<tr>
<td>November 4</td>
<td>Thursday</td>
<td>Priority Registration begins</td>
</tr>
<tr>
<td>November 5</td>
<td>Friday</td>
<td>Last day to drop a course with a &quot;W&quot; (5 00 PM)</td>
</tr>
<tr>
<td>November 11</td>
<td>Thursday</td>
<td>Online Graduation Application Opens for Spring 2011</td>
</tr>
<tr>
<td>November 11-19</td>
<td>Thursday-Friday</td>
<td>Early Registration</td>
</tr>
<tr>
<td>November 24-28</td>
<td>Wednesday-Sunday</td>
<td>Thanksgiving Holiday</td>
</tr>
<tr>
<td>December 3</td>
<td>Friday</td>
<td>Last day for a medical, mental health, legal, or administrative withdrawal (5 00 PM)</td>
</tr>
<tr>
<td>December 10</td>
<td>Friday</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>December 11-17</td>
<td>Saturday - Friday</td>
<td>Final Exams</td>
</tr>
<tr>
<td>December 18</td>
<td>Saturday</td>
<td>Commencement (2 00 PM) Ramsey Center</td>
</tr>
<tr>
<td>December 20</td>
<td>Monday</td>
<td>All Grades Due (10 00 AM) Registrar’s Office</td>
</tr>
</tbody>
</table>
## Spring 2011

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 6</td>
<td>Thursday</td>
<td>Asheville Registration, Karpen Hall, UNCA (4:00 - 6:30 PM)</td>
</tr>
<tr>
<td>January 7</td>
<td>Friday</td>
<td>Residence Halls Open</td>
</tr>
<tr>
<td>January 7</td>
<td>Friday</td>
<td>Orientation</td>
</tr>
<tr>
<td>January 10</td>
<td>Monday</td>
<td>All Classes Begin (8:00 AM)</td>
</tr>
<tr>
<td>January 17</td>
<td>Monday</td>
<td>Martin Luther King, Jr Holiday (No Classes)</td>
</tr>
<tr>
<td>January 24</td>
<td>Monday</td>
<td>Deadline to Complete On-line Application to Graduate in Spring 2011</td>
</tr>
<tr>
<td>January 24</td>
<td>Monday</td>
<td>University Census Day (5:00 PM)</td>
</tr>
<tr>
<td>February 14</td>
<td>Monday</td>
<td>Fifth Week Grades Due (5:00 PM)</td>
</tr>
<tr>
<td>February 22</td>
<td>Tuesday</td>
<td>Advising Day (No classes or faculty meetings)</td>
</tr>
<tr>
<td>February 23</td>
<td>Wednesday</td>
<td>Priority Registration Begins</td>
</tr>
<tr>
<td>February 28-March 4</td>
<td>Monday -Friday</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 14</td>
<td>Monday</td>
<td>On-line Graduation Application Opens for Summer 2011 and Fall 2011</td>
</tr>
<tr>
<td>March 14-21</td>
<td>Monday-Monday</td>
<td>Early Registration Begins</td>
</tr>
<tr>
<td>March 17</td>
<td>Thursday</td>
<td>Last Day to drop a course with a W' (5:00 PM)</td>
</tr>
<tr>
<td>April 20</td>
<td>Tuesday</td>
<td>Last day for a medical, mental health, legal, or administrative withdrawal (5:00 PM)</td>
</tr>
<tr>
<td>April 22</td>
<td>Wednesday-Friday</td>
<td>Easter Holiday</td>
</tr>
<tr>
<td>April 26</td>
<td>Tuesday</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>April 29</td>
<td>Friday</td>
<td>Final Exams</td>
</tr>
<tr>
<td>April 30-May 6</td>
<td>Saturday-Friday</td>
<td>Final Exams</td>
</tr>
<tr>
<td>May 6</td>
<td>Friday</td>
<td>COMMENCEMENT (Graduate Students) 7:00 pm Ramsey Center</td>
</tr>
<tr>
<td>May 7</td>
<td>Saturday</td>
<td>COMMENCEMENT (Undergraduate Students) 2:00 pm Ramsey Center</td>
</tr>
<tr>
<td>May 9</td>
<td>Monday</td>
<td>All Grades Due (10:00 AM)</td>
</tr>
</tbody>
</table>

## Summer 2011

**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>Event</th>
</tr>
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<tbody>
<tr>
<td>May 9-24</td>
<td>Mini-session (Drop/Add period for the mini session ends on the second day of the class, Automatic 'W' period ends on the 6th day of class)</td>
</tr>
<tr>
<td>May 9-July 7</td>
<td>Assisted Registration for Asheville, 120 Karpen Hall, UNCA (8 AM-5 PM)</td>
</tr>
<tr>
<td>May 30-July 7</td>
<td>Registration in Cullowhee</td>
</tr>
<tr>
<td>June 1</td>
<td>Classes begin for 9 and First 4.5 week term (8 AM)</td>
</tr>
<tr>
<td>June 5</td>
<td>9 Week Summer Term</td>
</tr>
<tr>
<td>June 1-June 30</td>
<td>First 4.5 Week Summer Term</td>
</tr>
<tr>
<td>July 2</td>
<td>Registration in Cullowhee (No classes)</td>
</tr>
<tr>
<td>July 4</td>
<td>Independence Day Holiday</td>
</tr>
<tr>
<td>July 5-August 5</td>
<td>Second 4.5 Week Term classes begin (8 AM)</td>
</tr>
</tbody>
</table>

**Varied Dates** Last day of each course Final Exams
Telephone Numbers

Admissions 227-7317

Colleges

College of Arts and Sciences 227-7646
College of Business 227-7412
College of Education and Allied Professions 227-7311
College of Fine and Performing Arts 227-7028
College of Health and Human Sciences 227-7271
Graduate School 227-7398
Honors College 227-7383
Kimmel School of Construction Management and Technology 227-7368

Educational Outreach 227-7397
Food Services 227-7396
Fraternities, Sororities, Clubs 227-7206
General Student Information 227-7234
International Students 227-7494
Orientation 227-7087
Provost Office 227-7495
Registrar, Student Records, Transcripts 227-7232
Residential Living 227-7303
Veterans Affairs 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 or master's level or doctoral level study in educational leadership. 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.

Mission

Western Carolina University creates engaged learning opportunities that incorporate teaching, research and service through residential, distance education and international experiences. The university focuses its academic programs, educational outreach, research and creative activities, and cultural activities to improve individual lives and enhance economic and community development in the region, state and nation.

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 674 serves a student body of approximately 9,400 in resident-credit and extension classes.

The Cullowhee campus is in a rural valley between the Blue Ridge and Great Smoky Mountains, fifty-two miles west of Asheville and seven miles south of Sylva on North Carolina Highway 107. The location at the southern end of Cullowhee Valley in the heart of the Tuckasegee River basin, gives it an unusually attractive setting. The closest commercial airport to the university is located in Asheville, and there is airline service to Asheville. Private taxi service is available.

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, Cherokee Indian Reservation, 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 Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award bachelors, masters, education specialists, and doctorate degrees. In addition to this institutional accreditation, other special accreditation by appropriate agencies includes these:

- AACSB International - The Association to Advance Collegiate Schools of Business
- American Chemical Society
- American Council for Construction Education (candidacy status)
- 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)
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 Council on Education
- American Society of Allied Health Professions
- Association for Continuing Higher Education
- Association for 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 eight 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, art, chemistry, English, German, history, philosophy, political science, social sciences, sociology, Spanish, and special studies.

Bachelor of science with majors in anthropology, biology, chemistry, communication, computer science, environmental science, forensic science, geology, history, mathematics, natural resources management, political science, social sciences, sociology, and special studies.

**The College of Business** Bachelor of science in business administration with majors in accounting, business administration and law, computer information systems, entrepreneurship, finance, hospitality and tourism, management, marketing, and bachelor of science with a major in sport management, hospitality tourism and management and entrepreneurship.

**The College of Education and Allied Professions** Bachelor of Science in education with majors in elementary education, general special education, middle grades education, 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, German, 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 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, in theatre, and in motion picture and television production. Bachelor of music is a professional degree that will focus on music performance and commercial and electronic music as concentration areas. Bachelor of Science with majors in interior design.

**The College of Health and Human Sciences** Bachelor of science with majors in athletic training, communication sciences & disorders, criminal justice, emergency and disaster management, emergency medical care, environmental health, health information administration, nutrition and dietetics, recreational therapy, special studies, and bachelor of science in nursing, and bachelor of science in social work.

**The Honors College** Western Carolina University's Honors College, founded in 1997, was the first 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 Hall. Completion of honors work leads to a special diploma from The Honors College.

**Kimmel School of Construction Management and Technology** Bachelor of Science with majors in construction management, electrical and computer engineering technology, engineering technology and special studies. Bachelor of Science in electrical engineering with a major in electrical engineering. The electrical engineering program is a joint program with UNC-Charlotte.

**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.
Hunter Library

The Hunter Library considers providing high quality service to students and faculty as its primary mission. Librarians provide both individualized research assistance and classroom instruction. The library is open more than 110 hours per week during the semester. The collections and services that support student and faculty research include:

- **Main Book Collection**: Consisting of over 679,000 books and bound periodicals. This is augmented by the 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 approximately 1 million volumes.
- **95+ Electronic Databases and 8,000+ Electronic Journals**: Can be accessed remotely.
- **Free Document Delivery Service**: Provides access to articles from approximately 25,000 journal titles that can be accessed remotely.
- **Electronic Reserves Collection**: Can be accessed remotely.
- **1,200 Print Journal Subscriptions**
- **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.
- **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 the 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 departments and provide significant assistance to the region in which the university is located.

**Center for Mathematics and Science Education**
The Center for Mathematics and Science Education in the College of Education and Allied Professions is one of eleven centers comprising the North Carolina Mathematics and Science Education Network. The purpose of the center and network is to improve mathematics and science instruction in public and private schools by providing instructional activities for teachers, and courses leading to certification in mathematics and/or science, and to conduct basic research.

**Center for Rapid Product Realization**
The mission of the Center for Rapid Product Realization is to match the Kimmel School of Construction Management and Technology's resources of laboratories, faculty, and students with the needs of Western North Carolina. The goal of this engagement is to grow and transform the region's economy, to enhance student learning through real project experience, and to improve the quality of life. The RAPID Center has special expertise in four areas: rapid prototyping, adaptive technology, intelligent sensors, and optoelectronics. The Center also works through inter-institutional partnerships and this approach has lead to collaborative projects in photonics through Carolina's Micro-Optics Triangle and the Carolinas Photonic Consortium. Faculty/student projects include improvements to wheelchairs, sensors to help persons...
with dementia, new products for the Christmas tree industry, rehabilitation devices for children and the elderly and sensors to study micro climate environments in the Smokey Mountains.

Commercialization of technology is the central theme of these regional and statewide initiatives. To see more student/faculty projects and get more information on the Rapid Center's laboratories, go to http://rapid.wcu.edu

**Center for Service Learning**

Service learning is a teaching/learning strategy that integrates community service with academic instruction and structured reflection in such a way that students gain further understanding of course content, meet needs identified by the community, develop career-related skills, and become responsible citizens. The award-winning Center for Service Learning engages students in many areas of the region to address social issues and meet local development needs. Each year, there are more than 100 courses with service-learning components, taught by approximately 75 faculty members, in every College/School of the University.

**Center for the Support of Beginning Teachers (CSBT)**

The center addresses the need for an adequate supply of highly qualified teachers by supporting the professional development of beginning teachers and their transition to the classroom.

**Department of Veterans Affairs Educational Benefits**

Western is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 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 (VA) educational benefits should be addressed to the Veteran Affairs Certifying Officer, Military Education, 138 Camp Building, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-7397.

**Disability Services**

The Office of Disability Services facilitates the determination of appropriate accommodations for students with disabilities. Accommodations are determined on an individual basis and may include but are not limited to housing accommodations, testing accommodations, sign-language interpreters, note takers, books in alternate formats, adaptive equipment and software, and priority registration. To receive services, students must submit current documentation of a disability. Disability counseling, career advisement, awareness activities, advocacy, and coaching are also available. Dr. Lance Alexis, Director, 828-227-2716 (www.wcu.edu/12789.asp).

**Highlands Biological Station**

The Highlands Biological Station is a field station for biological research and education focused on southern Appalachian ecosystems and organisms. Since 1977 the Station has been an Inter-institutional Center of the University of North Carolina. Thirty-three regional colleges and universities participate in the Station's programs as member institutions.

The Station 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 yields rich biotic and environmental diversity, making the Station an ideal locale for a variety of field studies. 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 (36 beds in several residences), a dining hall, well-equipped research space, and teaching classrooms and laboratories. The campus also includes the Highlands Nature Center, which offers educational exhibits and a diversity of public programs, and the Highlands Botanical Garden, which features a great many native plant species in a variety of southern Appalachian habitats.

The Station offers six courses each summer at the advanced undergraduate and graduate levels. Limited financial aid is available for these courses. A grant-in-aid program also provides financial assistance to graduate students conducting thesis research on the biota of the region. Since 2001 the Station has hosted a fall semester-in-residence undergraduate program in cooperation with the Carolina Environmental Program 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, see our website (http://www.wcu.edu/hbs) or write to Dr. James T. Costa, Executive Director, Highlands Biological Station, 265 N. Sixth Street, Highlands, NC 28741.

**Information Technology**

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, staff and administration 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.

Information Technology has over 60 staff and is comprised of the following units: Applications Programming, Educational Technologies, Information Technology Services, Networking and Communications, Systems and Operations, Technology Service Center and Web Services. 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 My Cat portal is the primary tool used by students to access email and other campus and course related information. WebCat, based upon the WebCT Vista software, is the primary instructional delivery system in support of traditional classroom and online courses.

There are over 3,000 microcomputers 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, with two ports per room, or from the wireless network available throughout the Cullowhee campus. There are four general student computer lab facilities which are open at least eighty hours per week. The lab located in Hunter Library is open 24 hours from Sunday afternoon through Friday night during fall and spring semesters. Users may call the Information Technology Help Desk at 227-7ITS (227-7487) or 866-WCU-7ITS (866-928-7487) to request assistance with any Information Technology service or resource. Faculty routinely work with the Coulter Faculty Center to integrate technology into their teaching activities.

Information Technology supports both Windows and Macintosh 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 the Windows operating system. Many software packages are centrally licensed with a limited number of licenses available in labs and classrooms. Statistical packages include SPSS, Minitab for Windows and SAS which is provided by a grant by the SAS Institute. Other specialized software found in labs include digital media editing, geographical information system, and engineering design programs. Information Technology also provides computer virus protection software to all faculty, staff and students and is committed to keeping computers safe, secure and current in a highly networked campus computing environment.

The campus network interconnects with the North Carolina Research and Education Network (NCREN), which provides Western access to interactive videoconferencing as well as a very high speed network path to the Internet (655-megabit). IT's Web Services unit supports the WCU Web site at http://www.wcu.edu and provides the campus with Web publishing assistance by providing departmental access to the Red Dot Content Management System. The Information Technology Web site at http://www.wcu.edu/IT provides a variety of useful technology information and self-help resources as well as links for downloading software and accessing computer purchasing information.

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 Center for Excellence in Teaching and Learning. The Coulter Faculty Center provides services designed to assist and support all part and full-time faculty and Graduate Teaching Assistants in seeking, achieving and maintaining excellence in their teaching. Training and guidance is available for those who wish to use instructional technology in their teaching. The center also sponsors workshops, presentations, faculty teams, and other activities and events designed to encourage instructors to talk and reflect about effective teaching and exchange creative ideas for enriching student learning. The center's web site is located at http://facctr.wcu.edu/ and includes a GTA page http://facctr.wcu.edu/teachingandlearning/graduateassist/index.html

Activities and services most relevant for GTAs include
 consultation on course syllabi, course development, teaching goals, active learning, and applications of instructional technology
Faculty Sandbox < http://www.wcu.edu/edtech/tcs/sandbox.htm>, a place where faculty and GTAs can develop instructional materials via computer
The GATE Program, (Graduate Assistant Teaching Experience), a program designed to enhance the graduate experience by providing a thoughtful and thorough preparation in the art of teaching
computer classroom orientation and training
Schedule < http://facctr.wcu.edu/learningops.html> of semester presentations and workshops
Videotaping of classes upon request
Training in the use of WebCT to enhance classroom courses
Faculty Forum < http://facctr.wcu.edu/forum.html>, a monthly publication featuring evocative opinion pieces of WCU faculty
MountainRise, an eJournal on the scholarship of teaching and learning
Renaissance of Teaching and Learning Booklet Series published each semester
a lending library of professional literature on college teaching that is located in Hunter Library 240

The Coulter Faculty Center 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 828-227-7087

School-University Teacher Education Partnership (SUTEP) SUTEP is actively engaged with more than 100 schools in 18 different school districts and has processes in place to identify and deal with the educational issues facing the southwestern part of our site.

Office of Special Programs/Teaching Fellows Program The Office of Special Programs/Teaching Fellows Program in the College of Education and Allied Professions assists in organizing special events in the college (e.g., student recruitment activities, scholarship awards) and coordinates the North Carolina Teaching Fellows Program for the university.

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 its disorders. The center 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
- otoacoustic emission diagnostic testing
- brain stem evoked response screening for newborns
- augmentative communication evaluation
- interdisciplinary evaluation
- assistance with assistive technology
- training on various topics related to communication disorders

**Student Support Services** (www.wcu.edu/cap/sss/sss.html) 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 counseling, mentoring, tutoring, and services for students with disabilities. For those students who qualify, all services are free. To be eligible, participants must meet one of the following criteria: they are first generation college students, OR they meet U.S. Department of Education income guidelines, OR they have a documented disability.

**Student Technology Assistance Center** The Student Technology Assistance Center offers assistance to students based on their individual needs. Students needing help with word processing, spreadsheet, databases, electronic presentations, campus network tools (such as WIN, MyCat, 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.

**Teacher Placement Service** Placement services are available to all teacher education graduates and alumni who seek employment in the field of education through Career Services, Killian Annex.

**Western's Regional Service Center of the SBTDC** The Center assists small businesses, both existing and start-ups, to become more effective and profitable. Its staff works with hundreds of businesses annually in the AdvantageWest Region. In addition to its primary service role, the SBTDC assists WCU's faculty in finding sites and clients for engagement and service learning activities. For example, in 2006, the SBTDC helped place 94 students with 32 clients for 4,865 hours of service.

**Academic Advising Center**

The Advising Center works with all newly admitted students in academic advising, course scheduling, and selection of a major. Upon the declaration of a 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 offering programs for students in academic difficulty. Additionally, the Advising Center works closely with the Career Services/Cooperative Education Office to assist students with career planning.

**Academic Success Centers**

The academic success centers at the university consist of the Writing Center, the Mathematics Tutoring Center, and the Catamount Academic Tutoring (CAT) Center. Tutoring services are available during fall, spring, and summer terms and are offered to enrolled students without charge.

**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 in a variety of subjects. 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 at 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.

**International Programs and Services** The Office of International Programs and Services (IPS) serves WCU students, faculty and staff in a variety of areas, such as Study Abroad Programs, International Student Services, Faculty-led Travel Courses, International Faculty Visas, and the Intensive English Program. WCU students and faculty can participate on exchanges through the International Student Exchange Program (ISEP), the University of North Carolina Exchange Program (UNC-EP), and WCU bilateral exchange program. IPS provides on-campus orientation, visa documents and counseling, student support services, and Host Family Association for international degree-seeking and exchange students. Faculty-led travel courses are coordinated through IPS, as well as all international faculty and visiting scholar visas, including the J-1, H-1B.
and PERM visas The Intensive English Program (IEP) attracts students wishing to improve their English competencies before beginning college level courses. IPS also coordinates and supports many types of international programs and activities, such as, the K-12 International Outreach Program to the public schools, Phi Beta Delta Honor Society for International Scholars, the Asian language program, international university linkages, International Education Week activities, International Festival, the Study Abroad Fair, Diversity Week, and International Women’s Day. More information is available at (828) 227-7494.

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 and the use of graphing calculators, and has a library of supplementary textbooks for student use. Visit the center's web site at http://www.wcu.edu/mathlab/ or call 828-227-2300 for information.

Testing Services The Office of Professional Examinations (OPE) oversees administrations of the Graduate Record Examination (GRE subject tests only), the Praxis Series, Scholastic Aptitude Test (SAT), ACT, Law School Admission Test, and the National Counselor Examination. Visit the Website at http://www.wcu.edu/catcenter/OPE.html for registration and exam-preparation information.

For information about the Miller Analogies Test, College Level Examination Program (CLEP), Institutional SAT, or the verbal portion of the SAT (for pre-nursing students), call 227-3264.

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 tailored to specific academic writing needs. Visit the Web site at http://www.wcu.edu/writingcenter 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.

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 and manages distance learning offerings. Many workshops, institutes, conferences, seminars, and short courses are available for Continuing Education Unit (CEU) credit.

Western Carolina University Programs in Asheville-Resident Campus Western Carolina University offers a broad range of instruction at the graduate level and a limited number of advanced undergraduate degree programs in specialized areas in Asheville. The programs of instruction, intended primarily for the adult professional student, are taught late afternoons, evenings and weekends. Western Carolina utilizes the educational facilities and resources of the University of North Carolina at Asheville and Asheville-Buncombe Technical Community College. Western’s graduate programs are affiliated with the Asheville Graduate Center.

The graduate programs offered in Asheville include accountancy (MAC), business administration (MBA), college student personnel (MED), community college teaching (MAEd), comprehensive education with concentrations in birth-kindergarten education (MAEd, MAT), elementary education (MAEd), English education (MAEd, MAT), math education (MAEd, MAT), middle grades education (MAEd, MAT), teaching English to Speakers of Other Languages (TESOL), (MA, MAEd, MAT), and special education (MAEd, MAT), community counseling (MS), educational leadership (EdS, EdD), English (MA), health sciences (MHS), mathematics (MS), nursing (MS-N),
public affairs (MPA), school counseling (MAEd), and technology (MS), Students enrolled in the counseling and certain secondary education and community college teaching programs will enroll in some coursework offered only in Cullowhee.

Through inter-institutional agreements with the University of North Carolina at Asheville and North Carolina community colleges, a program is available to students in Asheville leading to the Bachelor of Science in nursing degree from Western Carolina University. Students enrolled in this program would complete the first two years of liberal studies and science prerequisites at a local institution, the junior year of study on the Cullowhee campus, and the senior year of study in Asheville. Registered nurses who are graduates of an associate degree or diploma program can complete all remaining requirements for the bachelor’s degree online. Also, through an inter-institutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a Bachelor of Science degree in engineering technology are offered.

Western Carolina University administers its programs in Asheville through a staff whose offices are located in Room 120, Karpen Hall, on the campus of the University of North Carolina at Asheville. Additional information is available from WCU Programs in Asheville, 120 Karpen Hall, CPO #2160, UNCA, Asheville, North Carolina 28804-3299, telephone # 828-251-6642 or 828-227-7423, http://asheville.wcu.edu

Western Carolina University Department of Nursing is located on the Enka campus of Asheville-Buncombe Technical Community College, 1459 Sand Hill Rd, Candler, NC 28715, telephone # 828-670-8810.

Western Carolina University Center in Cherokee 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 center offers pre-admissions counseling, academic advisement, financial aid, and study skills development services in addition to courses leading toward academic degrees and non-credit courses. The center serves Cherokee and the surrounding communities and is available to all of the people of the region. The office for the Cherokee Center is located on Acquoni Road, 828-497-7920, across from the Cherokee High School.

Distance Learning Division of Educational Outreach collaborates with the academic colleges, Information Technology, university student service units, community colleges and businesses to provide programs to distance learners. Distance learning extends the boundaries of the university by using a variety of telecommunications technologies such as videoconferencing, computer conferencing, web-enhancement, and online delivery of courses. There are occasions when students may meet in a regular classroom setting or on Saturdays for clinical activities at distant sites. Distance learners may be required to attend an orientation on the campus of Western Carolina University or at an outreach site.

The University Experience Course The University Experience course introduces students to the online learning environment using WebCat. 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.

The Graduate Experience course (UE 501) introduces students to the online learning environment using WebCat. The course focuses on online services, develops specific skills for success in Graduate School, and creates a community of learners. The course serves new graduate students. Contact your program advisor for information on scheduled offerings. Contact your program advisor for information on scheduled offerings.

Military Education Western Carolina University's Office of Military Education provides support and guidance to students who are serving, or have served, in the military at any capacity. This support and guidance is provided from the point of inquiry through graduation, and it is extended to the family members of these students. In order to ensure that military students and their family members are receiving prompt service and accurate information, the Office of Military Education coordinates regularly with the Advising Center, and with the offices of Undergraduate Admissions, the Registrar, Financial Aid, Residential Living, and the Graduate School. The Office of Military Education also works frequently with on and off campus government and private agencies, including Western Carolina's Counseling Center, the Veterans Administration Hospital in Asheville.
American Council on Education, the Servicemembers Opportunity College, NC county Veterans
Service's Officers, and various volunteer and non-profit veteran support organizations. These
working relationships allow the Office of Military Education to provide solid support to military
students on a wide range of issues, including transfer credit, credit for training and experience, use of
GI Bill and military tuition assistance benefits, residential living, acclimation to university living,
and other issues that affect military students. Increasingly, Western Carolina University is earning
the distinction of being "military friendly."

Alpha Sigma Lambda and Malcolm J. Loughlin Scholarship. Alpha Sigma Lambda is the
premier national honor society for adult learners. The Society was founded in 1946 as a way to
recognize the academic success of adult students, many of whom achieved academic excellence
while juggling the responsibilities of work, home and family. Western Carolina University became
the 300th chapter of the society in 2004.

The scholarship was established in recognition of the many contributions of Malcolm Loughlin, to
the university, the division, and the community of students for whom he served as a teacher, mentor,
and friend. The scholarship is presented to an adult student in the junior year that has
demonstrated attributes consistent with those of Malcolm and has met the academic standards
worthy of induction into Alpha Sigma Lambda. Special consideration is given to global perspective
and community outreach activities of the scholarship candidates.

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 Outreach Center. 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.

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. Conference participants may be housed in
campus facilities or off-campus commercial settings depending on the university calendar and the
preference of sponsors.

Continuing Professional Education. 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.

Listener's Program. The Listener's Program provides persons who are not currently enrolled in a
college or a university the opportunity to attend selected undergraduate-level classes on a noncredit
basis. Information about specific eligibility, courses, conditions of class attendance, and permits is
available from the Division of Educational Outreach.

Speaker's Bureau. The Speaker's Bureau represents administrators, faculty, and staff from all areas
of the university who are prepared to share their knowledge and experience with organizations in the
region. These individuals are available to provide stimulating programs to corporate or community
groups. Arrangements to schedule a speaker should be made through the Division of Educational Outreach.

Other Offices and Services

Research Administration. Research and Graduate Studies/Research Administration serves as the
official source of information about contract and grant possibilities and is the office through which
all members of faculty and staff channel their proposals for university approval. The research administration staff assists faculty, staff, and students in the preparation of proposals.

Office of Institutional Research and Planning The Office of Institutional Research and Planning is responsible for coordinating university strategic planning and assessment activities, conducting institutional research, assisting university departments with surveys, and providing university statistical information requested by other agencies. The office is responsible for the publication of the University's Fact Book.

Division of Advancement and External Affairs

The Division of Advancement and External Affairs is responsible for the University's comprehensive public relations, publications, and institutional marketing programs, including communications, promotions, imaging, and positioning, alumni affairs, and development of private financial resources beyond state appropriations. The division supports student recruitment and serves as liaison with regional, state, and national organizations and government agencies.

The division includes the offices of Public Relations, Development, Alumni Affairs, and Regional Affairs, and the Mountain Heritage Center. The division administratively houses the Western Carolina University Foundation, chartered in 1971 to promote University goals and private-sector fund-raising.

Foundation The Western Carolina University Foundation is the primary volunteer organization engaged in cultivating and directing significant private resources to the University.

Office of Public Relations The Office of Public Relations is responsible for the administration of University programs in public information, promotions, marketing, publications, and web-based public information services. It is the liaison between University personnel and the news media, including newspapers, radio and television stations, and coordinates the planning, design, and production of all University publications, exhibits, and displays, including those in electronic formats. It is responsible for producing or arranging for production of all University film, video, electronic media, and slide-tape presentations intended for the public. Additional information concerning development of University publications may be found in Section 7.05.

Office of Development University Policy #55 assigns the Office of Development responsibility for private-sector fund-raising on behalf of University units and programs. The Office of Development receives, records, receipts, and acknowledges all private gifts to the University, conducts annual fundraising activities for support of academic and other programs, and guides and coordinates the systematic pursuit of major and planned gifts. Any fundraising activities for voluntary contributions from individuals, corporations, foundations, or philanthropic agencies conducted on behalf of the University or any unit thereof must be coordinated through the Office of Development.

Office of Alumni Affairs The Office of Alumni Affairs maintains all alumni records, organizes and coordinates meetings of alumni groups, alumni reunions, and alumni homecoming activities, works directly with the Board of Directors of the Western alumni associations and Western clubs (alumni chapters), assists with publications for alumni, and generally serves as a communications link and support structure for alumni.

Office of Regional Affairs The Office of Regional Affairs serves as the University's liaison with local, regional, state, and federal governments and agencies and with regional civic and economic development organizations. The office seeks to enhance relationships and partnerships with public and private entities, supports initiatives to secure public agency funding and legislative priorities, and focuses on local and regional economic development.

Mountain Heritage Center The center collects, interprets, and disseminates knowledge about the southern Appalachian region and its people. The center's research and artifact collections promote public awareness of the region's rich natural and cultural heritage using publications, exhibitions, presentations, 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, work study, and co-op opportunities.
Office of Publications The Office of Publications creates creative, concise communications tools for the purpose of increasing awareness of and appreciation for the University's numerous programs and partnerships.

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.
Undergraduate Student Life and Services

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

On-Line WCU Student Handbook

Available at http://studenthandbook.wcu.edu, the WCU Student Handbook provides convenient links to Western Carolina University policies, procedures, and support for students, as well as general information about the University, and much more. The Student Handbook supplements the information found in this catalog.

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 professionals responsible for the residential community as well as each student's personal growth and development.

The residence halls are open to all students, undergraduate and graduate, to the extent available. Freshmen and some transfer students are required to live on campus. This requirement may be waived if the student is married or lives with parents in a county contiguous to Jackson County. For full details regarding the residency requirement, please read University Policy #96 at http://www.wcu.edu/25379.asp.

A variety of accommodations are available, including private and double rooms, suite style buildings, graduate housing, and married student housing. Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones. A list of suggested items to bring can be found on the Residential Living website. Cable television is provided in student rooms, as well as designated public areas. Other amenities include vending machines, washers, and dryers.

Mail service is provided to all residential students at the Student Mail Center located in the University Center. Mailing addresses are assigned by the Department of Residential Living and will be provided when students receive housing assignments.

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

Off-Campus Housing

Students that 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. http://offcampushousing.wcu.edu/

Dining Services

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

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

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

Student Activities and Services

A variety of programs, activities, and services 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 two hundred 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 students can get involved on-line at http://www.wcu.edu/100.asp.

Student Government The Student Government Association (SGA) is an active, vital part of the university community. Each student has the right to vote in all student elections and may participate in SGA by running for office or by applying for an appointed position. The SGA appoints voting members to various University committees, and the president of SGA is a member of the University’s Board of Trustees. Visit the SGA website at http://sga.wcu.edu for more information.

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 Intercultural Center, as well as 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, located in the historic Old Student Union, 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://univcenter.wcu.edu.

Base Camp Cullowhee Although Base Camp Cullowhee (BCC) is not located in the University Center, BCC is a part of the UC and has a vital role in the UC’s mission. Located in Brown Hall, Base Camp Cullowhee provides great opportunities for outdoor fun and leadership as well. BCC also offers an excellent outdoor experience and has a great rental program that provides students with equipment for camping, rafting, climbing, and other outdoor experiences. For more detailed information, visit the BCC website http://basecamp.wcu.edu.

Center for Leadership Located in the Center for Student Involvement on the third floor of the A K Hinds University Center, the Center for Leadership is the home of the university’s “WE LEAD” program and The Leadership Institute and offers our students the greatest opportunity on campus to shape their college experience.

The Center for Leadership 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. To further develop their skills set, our student leaders 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.

In addition, the Center for Leadership 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).

Greek Life  Located in the UC's Center for Student Involvement, Greek Life works with the national Greek letter student organizations at WCU. More information about Greek Life and joining a fraternity or sorority is available on-line at http://gogreek.wcu.edu

Campus Recreation and Wellness  The mission of the Department of Campus Recreation and Wellness is to create a campus-wide culture of wellness by providing programs, services, and facilities for individuals to engage and sustain the active process of healthy living.

Located in the 73,000 square foot Campus Recreation Center (CRC), our goal is to offer a wide range of quality facilities and programs that will support the university community in achieving a balanced quality of life. The CRC is home to the campus intramurals program as well as club sports. Please visit our website for current information about Campus Recreation and Wellness at http://reccenter.wcu.edu

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

University Health Services  The mission of Western Carolina University Health Services is to meet the healthcare needs of the academic community and to enhance the physical, psychological, environmental and health education needs of the WCU campus community. The staff includes physicians, physicians’ assistants, licensed practical nurses, registered nurses, and a laboratory technician. Additionally, the Health Service administers a student-run ambulance service that allows for on-campus coverage for emergencies. Specialty services offered include a women’s health clinic, allergy and immunization clinic, and some limited pharmacy services.

The mandatory Student Health Fee supports University Health Services, however some procedures require additional charges. WCU is part of the University of North Carolina System which requires all students to provide proof of immunizations and health insurance coverage. A student’s registration status may be held until these requirements are met. Students that do not have health insurance coverage are required to participate in the UNC System-sponsored health insurance plan.

More information about Health Services and the health insurance requirements are available on-line at http://studenthealth.wcu.edu

Counseling and Psychological Services  Counseling and Psychological Services (CPS) offers many services to assist students, staff, and faculty. CPS staff are available to help when problems arise or provide assistance in a crisis, but also work to promote healthy life styles and prevention through programs, training, and consultation. We work with many healthy, smart, and resilient students who chose to use our professional services to gain new insights, solve problems, and tap into personal resources for continued health and well-being. Please review the CPS website at http://counselingcenter.wcu.edu for more information about our services.

Career Services/Cooperative Education Office  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), 4 on-line, 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 service, an on-line mock interview program, a career library with a university-wide computer aided career guidance program, career events (18)

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

Intercultural Affairs  The departments of Multicultural Affairs and the Women’s Center have merged to become the Department of Intercultural Affairs (ICA). This reorganization provides students with more opportunities to connect, and ensures an ongoing collaboration of programs and...
services to better meet the needs of our students, campus and surrounding communities. Intercultural Affairs sponsors programs during nationally recognized celebratory months to highlight some of the many cultures represented in the campus community. ICA staff serves as a resource, advocate and foundation of support for the Western Carolina community on issues of diversity, multiculturalism, and tolerance for differences. Located in the University Center, Intercultural Affairs is a resource for all WCU students. WCU's Diversity Initiatives website is at http://diversity.wcu.edu/ and highlights many of Intercultural Affairs programs and services.

**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-to-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://ramsey.wcu.edu.

**Center for Service Learning** The mission of the Center for Service Learning at Western Carolina University is to promote service learning as a special form of experiential education whereby students engage in organized activities designed to enhance their understanding of course content, meet community needs, develop career-related skills, and become responsible citizens. The Center will organize and manage a comprehensive program in collaboration with faculty, administrators, staff, students, and community partners to encourage academic excellence, promote student and faculty engagement, and foster civic responsibility. The Center for Service Learning is a clearinghouse of opportunities for service to the community. More than 90 community agencies provide service sites for students. For more information contact Dr. Glenn Bowen, Director, at (828) 227-3059 or visit our website at http://servicelearning.wcu.edu.

**WCU Community Creed and the Code of Student Conduct**

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

**Western Carolina University Community Creed**

Creed - a system of beliefs, principles, and aspirations

- I will practice personal and academic integrity
- I will respect the dignity and rights of all persons
- I will demonstrate concern for others and live up to my community responsibilities
- I will engage myself in the arts, culture and intellectual life of my University
- I will celebrate and take pride in Western Carolina University
The WCU Community Creed also serves as the basis for the Code of Student Conduct. All students are held accountable to the principles expressed in the Community Creed and the standards for behavior found in the Code.

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

Campus Safety Report and Emergency Preparedness

Western Carolina University Police work to keep the campus community safe and help prepare the campus for emergencies. An annual safety report is posted on-line at http://police.wcu.edu and http://dsa.wcu.edu 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 campus. 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. Visitors who park a vehicle on campus less than three days per semester do not need to register their vehicle. Parking and traffic regulations literature is made available in the Parking Services Office, located in the Outreach Center Annex. These same regulations are made available on-line at http://police.wcu.edu.

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 in the Parking Services Office. The student parking citation appeal form is available online at http://sga.wcu.edu. 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 events or group use. For information regarding routes, hours of operation, or other issues, please visit the Cat-TRAN web site at http://police.wcu.edu or call the Cat-TRAN office at 828-227-8726 (TRAN).

Other Services and Facilities
Teacher Placement Service  Placement services are available to all teacher education graduates and alumni who seek employment in the field of education through Career Services, Killian Annex.

Department of Veterans Affairs Educational Benefits  Western Carolina University is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 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 inquires concerning Veterans Affairs (VA) educational benefits should be addressed to the Veteran Affairs Certifying Officer, Office of the Registrar, Killian Annex, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-7216.

International Student Services  The International Student Advisor assists international students with their transition to a U.S. university culture in a western North Carolina community by providing and sponsoring orientation programming, visa issuance and counseling, international activities, and community outreach activities. For more information, contact (828) 227-7494.

Student Support Services  (www.wcu/cap/sss/sss.html) 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 counseling, mentoring, tutoring, and services for students with disabilities. For those students who qualify, all services are free. To be eligible, participants must meet one of the following criteria: they are first generation college students, OR they meet U.S. Department of Education income guidelines, OR they have a documented disability.

Books and Supplies  The Catamount Bookstore offers students a variety of educational materials and supplies. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students, 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. For more information, call 828-227-7346 or visit our Web site at wcubookstore.wcu.edu.

Clothing and Gifts  The Catamount Clothing and Gifts store offers students a variety of clothing, gifts, greeting cards and miscellaneous items. The store is located on the second floor of the UC and for more information, call 828-227-7626 or visit our Web site at wcubookstore.wcu.edu.

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. U.S. postal regulations do not permit receipt of mail through general delivery after an initial thirty-day period. A postal commodity machine offering stamps, envelopes, postcards, aerogram, overseas services, and other features is located in the University Center.

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 Citizens Bank, Jackson Savings Bank are located in or near Sylva.

Disability Services  The Office of Disability Services facilitates the determination of appropriate accommodations for students with disabilities. Accommodations are determined on an individual basis and may include but are not limited to housing accommodations, testing accommodations, sign-language interpreters, note takers, books in alternate formats, adaptive equipment and software, and priority registration. To receive services, students must submit current documentation of a disability. Disability counseling, career advisement, awareness activities, advocacy, and coaching are also available. Dr. Lance Alexis, Director, 828-227-2716 (www.wcu.edu/12789.asp).

Educational 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.
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 wonderful 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 of the Cordelia Camp Building. If you would like further information please visit our website (http://www.wcu.edu/studentd/kneedler/index.html) 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 director of 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 inquires 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/chancellor/index/universitypolicy/policy52.html.

**Electronic Mail Policy**

University electronic mail accounts are provided and supported by the State of North Carolina to support the missions of the University.

The purpose of this Policy is to ensure the appropriate use of the University’s Electronic Mail System by its students, faculty, and staff. The Electronic Mail System is provided by the University as one of its primary means of official communication. 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 this Policy. Violations of this Policy may result in restriction of access to the University email system and/or other appropriate disciplinary action.

**User Responsibilities**

The Information Technology Division maintains the University’s official Electronic Mail System. Faculty, staff, and students are required to read their Electronic Mail System messages on a regular basis. Faculty, staff, or students who choose to use another email system are responsible for receiving University-wide broadcast messages, notices, and personal mail by checking the University’s official electronic mail system and the University’s World Wide Web homepage. An alternate method of receiving University electronic mail is to utilize the Forward Feature, which can be set to forward mail to an individual’s personal email account. An Electronic Mail System message regarding University matters sent from an administrative office, faculty, or staff member is considered to be an official notice. Supervisors must ensure that their University staff and faculty have access to the necessary or appropriate messages distributed via the University’s Electronic Mail System.

**Personal Use of Electronic Mail System**

The University’s Electronic Mail System may, subject to the foregoing, be used for incidental personal purposes provided such use does not violate either this policy or University Policy #52. In addition, personal use must not interfere with University operation of information technologies, including electronic mail services, generate a direct cost for the University or interfere with the user’s employment or other obligations to the University.

Privacy of personal electronic mail content residing on or transmitted through University equipment should not be expected. No University faculty member, staff member, or student should use a University Electronic Mail System account with the expectation that any particular Electronic Mail System content, whether personal or business-related, will be private.

**Privacy of Email Files**

The University does not inspect or monitor electronic mail routinely. To the extent permitted by law, however, the University reserves the right to access and disclose the contents of faculty, staff, students, and other users’ electronic mail without the consent of the user.
Access to electronic mail on the University’s computers that involves reading or disclosing electronic mail may occur only where authorized by the University and only for the following purposes: troubleshooting hardware and software problems, such as rerouting or disposing of undeliverable mail, preventing or investigating unauthorized access and system misuse, retrieving or reviewing for University purposes University-related information, investigating reports of violation of University policy or local, state, or federal law, investigating reports of employee, student or user misconduct, complying with legal requests for information (such as subpoenas and public records, requests), and retrieving information in emergency circumstances where there is a threat to health, safety, or University property involved.

Users of the Electronic Mail System also should be aware that, in addition to being subject to authorized access as detailed herein, electronic mail in its present form cannot be completely secured and is therefore, vulnerable to unauthorized access and modification by third parties. Receivers of electronic mail documents should check with the purported sender if there is any doubt about the identity of the sender or the authenticity of the contents, as they would with print documents.

Access by authorized University employees to electronic mail stored on the University’s network of computers may be necessary to ensure the orderly administration and functioning of University computing systems. Such access, gained for purposes such as to back up or move data, ordinarily should not require the employee gaining access to the electronic mail to read messages. The University requires employees, such as system administrators, who as a function of their jobs routinely have access to electronic mail and other electronically stored data to maintain the confidentiality of such information.

Limitations on the Use of Electronic Mail System

The legal and regulatory environment surrounding the University’s Electronic Mail System creates a number of other limitations on the use of the University’s Electronic Mail System accounts. Most apply uniformly to the use of all State-provided resources. They may be briefly summarized:

Electronic Mail System accounts are for the exclusive use of the individual to whom they are assigned.

No use is permitted that conflicts with the requirements of civil or criminal law, including but not limited to laws relating to the privacy of student and employee records, pornography, defamation, intellectual property infringement, and illegal discrimination, or conflicts with any applicable policy of the UNC Board of Governors or Western Carolina University (including University policy #52), such as use in support of partisan political activities.

No use is permitted that constitutes the unauthorized exchange of proprietary information or any other privileged, confidential, or sensitive information.

The knowing transmission of a message containing a computer virus or that misrepresents the identity of the sender is prohibited.

The use of or attempt to use the accounts of other without their permission is prohibited.

Personal use cannot interfere with a University employee’s obligation to carry out University duties in a timely and effective manner.

The personal use cannot involve sending or soliciting chain letters or sending unsolicited bulk mail messages (e.g., “junk mail,” “spam,” or “MLM”), or otherwise overloading the University’s electronic mail system or negatively interfering with its system performance.

Uses that result in commercial gain or personal profit are not permitted, except as allowed under University intellectual property policies and external activities for pay policy, however, in no case may the University’s Electronic Mail System be used for solicitation of an unrelated, external activity for pay. See University Policy 54 for EPA employees and University Policy 87 for SPA employees.

No personal use may state or imply University sponsorship or endorsement of its message.

Electronic mail created for business purposes by University employees is a public record and, as such, may not be disposed of, erased or destroyed unless permitted by law. Just as in the case of hard copies, individual employees are responsible for saving or archiving their Electronic Mail System messages. Electronic Mail System messages that have reference or administrative value but are of a...
temporary, ephemeral, or transient nature may be deleted when the user has determined that their reference value has ended.

Just as in the case of hard copies, the retention period for electronic mail that must be retained is determined by the type of document being retained. The North Carolina University Records Retention and Disposition Schedule followed by the University, contains required retention periods by category of record. If you have questions about retention periods, please contact the Head of Special Collections in Hunter Library.

Electronic mail may be retained electronically or it may be printed and retained as a hard copy. Due to limited resources, the Information Technology Division has the right to restrict the amount of user space on the primary message server or archive older messages on other servers as necessary.

Electronic Mail System accounts of students who have not registered for a semester will be purged after 30 days. Accounts for faculty/staff that have left the University will be frozen within two working days after the person’s last day and will be deleted after 30 days. This period can be extended for up to three months for faculty and staff if requested by their supervisor before the employee’s last day.

**Official University Electronic mail**

Not all written communication is appropriate for the Electronic Mail System. In fact, in certain limited situations, the law may require the use of paper originals delivered via regular mail. In other situations, good business practice may call for not only a paper original, but, for example, one that is sent by certified mail, receipt requested.

When using the Electronic Mail System as an official means of communication, students, faculty, and staff should apply the same professionalism, discretion, and standards that they would use in written business communication. Furthermore, students, faculty and staff must remember that matters communicated via the Electronic Mail System may become a public record, may become evidence in a law suit or may otherwise be shared with a broader audience than intended.

Students, faculty and staff may not inappropriately disclose University information in Electronic Mail System messages that they are privileged to access because of their position at the University.

Those wishing to transmit broadcast electronic messages, either to an on or off campus audience, containing essential University announcements to alumni, students, faculty, and/or staff must obtain approval from the appropriate administrative authority. Within the scope of their authority, only the Offices of an Associate Vice Chancellor, Vice Chancellor, Provost, or the Chancellor may authorize the transmission of broadcast messages to a wide audience of students, faculty and staff. Appropriate broadcast of electronic messages may include, but is not limited to, the following types of announcements:

- Emergency or unforeseen campus-wide events notification (e.g., cancellation of classes or closing of the University due to inclement weather or emergency),
- Important campus deadline notification (e.g., last day of drop/add for students),
- Improved services to students, faculty, or staff that directly impact all members of the affected group.

By contrast, broadcast electronic messages should not be used for non-essential matters such as publicizing campus events. Broadcast email messages should be sent only to the affected group (students, faculty, or staff, or a subgroup of one of those groups) and should be of critical importance to that group.
Admission

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. An appointment to visit should be made by contacting a member of the admission staff. For more information, call the Office of Admission at 828-227-7317, or toll-free 1-877-WCU-4YOU.

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 supplied by the Office of Admission. 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, Regular or Late cycles. Deadlines are detailed in the following pages.

Early Registration for New Students
The Advising Center offers newly admitted students an opportunity to complete CatWalk, a web-based program designed to help students prepare for their first semester at WCU. Information from CatWalk will be used to create an initial schedule for the student. Students are strongly encouraged 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 their 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 undergraduate student who is admitted to Western Carolina University for the fall semester 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. The advanced tuition deposit and advanced housing deposit are non-refundable. The deadline 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 computer. A student laptop requirement for all students, except distance learning students and some part-time students, will go into effect no later than the Fall 2009 semester. For further information, see the WCU IT web site at http://www.wcu.edu/1582.asp.

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

First-Year Students
Admission to Western Carolina University and placement into courses and programs is based upon a variety of factors including courses taken in high school, rank in class, SAT or ACT scores, and high school grade point average. Applicants must be graduates of accredited high schools. Graduates of unaccredited high schools may satisfy entrance requirements by examination. The university reserves the right to require any conditions deemed necessary. 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).
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. Students who elect to take only the ACT must take The Writing Test. 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 recommended. Students with inadequate preparation in English and mathematics, if admitted, will be required to complete additional work in these areas.

To be considered for any category of admission, students must have graduated from high school and successfully completed the following fifteen units of college preparatory courses in high school:

- 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 Freshmen

Fall

- Early Action deadline is Oct. 15 for non-binding decision. Candidates who apply beyond October 15 will be rolled into the Regular cycle, described below. Early Action decisions all mailed on same day, on or about Dec. 15. Deposits for tuition and housing due May 1.

- Regular Admission Priority deadline is 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 15 and April 15. Deposits for tuition and housing due May 1.

- Late Admission will continue after March 1, with a June 15 deadline, and may eventually be discontinued. Decisions will be mailed on a rolling basis until August 15. Housing and tuition deposits due within 10 calendar days of decision mailing.

Spring/Summer

- Application deadline Nov. 1. Decisions mailed on a rolling basis until Dec. 15.

WCU Admission Cycle for Transfer Students

Fall

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Priority application deadline is June 1. Applications will be accepted beyond June 1 as space permits.

Decisions will be mailed on a rolling basis until Aug 15. Tuition and housing deposits due within 10 calendar days of decision mailing.

**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 until Dec 15. All decisions will be conditional pending receipt of an official transcript from the sending institution reflecting final grades.

Tuition and housing deposits due within 10 calendar days of decision mailing.

**Summer**

Application deadline is April 15. Decisions will be mailed on a rolling basis up through enrollment date, last-minute decisions will be voice delivered as well. Deposit date within 10 calendar days of decision mailing.

**Home-Schooled Applicants** This policy deals with those students who are applying for admission as freshmen 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. 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.

There are three categories of freshman admission to Western: regular, provisional, and honors admission.

**Regular 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 Western. Factors which are used in the evaluation process include 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).

Priority consideration for admission will be given to applications completed by March 1 for the fall term.

**Admission to the Academic Success Program** Students whose high school records and test scores do not qualify them for regular 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 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.

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 freshman admission requirements and submit an official high school transcript with SAT or ACT test results. Transfer applications should be submitted by June 1 for fall admission, and by April 15 for summer terms. The deadline for spring is November 15.

Transfer students must have earned a minimum grade point average (GPA) of 2.00 (C average) on all work attempted. 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. Normally, a minimum GPA of 2.30 on the first twelve semester hours attempted will be required.

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: A cooperative agreement, The Western 2Step, aligns course requirements at WCU and all 58 community colleges across North Carolina. This program shows applicants precisely what community college courses fit into every one of Western's undergraduate majors, and what courses must be taken at Western to earn a bachelor's degree. For additional information, contact the transfer coordinator in the Western Carolina University admission office (828-227-7317) 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 cease WCU enrollment for three or more consecutive terms of (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).
Returning After Suspension Students who have satisfied the terms of their suspension and who desire to return must contact the Advising Center at (828) 227-7753. 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 nine 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 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 550 (paper-based), 213 (computer-based), or 79 (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.

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 www.wcu.edu/ips and click on "International Students".

Other Eligible Persons

Special Students Persons not seeking degrees may apply as special students by completing an application and paying the $40 application fee. Special students are not admitted to any degree program, are not eligible for financial assistance, and are not assigned to advisers. Special students applying to live in university housing should indicate their status on the housing contract. Admission categories for special students are:

Nondegree Students Persons not seeking degrees, but wish to take courses for personal enrichment or advancement, upon approval, 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. Nondegree 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. 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 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 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 admission. Appeals of decisions which are related to academic preparation or credentials are evaluated by the Admission, Readmission, and Retention Committee. Appeals of decisions which are related to criminal, disciplinary, or behavioral factors are evaluated by the Admission Convictions Committee. The request should indicate the reasons for reconsideration and any factors the applicant feels were not given adequate consideration in the admission process. Upon receipt of a written request, the director of admission will forward the documentation to the appropriate appellate body. 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 and Summer Session, Graduate School, or Office of Admission, and in the Summer Session Schedule, issued each spring.

**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.
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 2010-2011 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 $45, nonrefundable application processing fee, in the form of a check or money order made payable to Western Carolina University unless exempted by one of the following conditions:

1. The applicant has been enrolled previously for courses at WCU.
2. The applicant has filed an application for admission within the previous two calendar years.
3. Applicants who meet one of these conditions are not required to pay the $45 application fee.

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 MyCat. 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 issuance 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 for fall semester (December 15 for spring semester) in order to retain their preregistered class schedules. After this deadline, schedules of undergraduate students who have preregistered and not paid will be cancelled. 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 who are admitted to Western Carolina University for the fall semester are required to remit a $150 nonrefundable tuition deposit as soon as possible but no later than May 1st. 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. The tuition deposit is not required for summer or spring semester enrollees.

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. Freshmen students are required to live on campus. Freshmen 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.

Late Registration A student who registers and/or pays fees after the last regular registration date will be charged a late fee of $10. See the Academic Calendar.

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).

### Fees per Semester

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*

**Full-time Student**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNDERGRADUATE</strong></td>
<td>tuition and required fees, NC</td>
<td>$2,999 40</td>
</tr>
<tr>
<td></td>
<td>tuition and required fees, out-of-state</td>
<td>$7,797 90</td>
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<tr>
<td><strong>GRADUATE</strong></td>
<td>tuition and required fees, NC</td>
<td>$3,056 40</td>
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<tr>
<td></td>
<td>tuition and required fees, out-of-state</td>
<td>$7,848 90</td>
</tr>
<tr>
<td>*<em>GRADUATE—<em>CRNA Program</em></em> tuition and required fees, NC</td>
<td>$4,326 90</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*<em>GRADUATE—<em>CRNA Program tuition and required fees, out-of-state</em></em></td>
<td>$9,549 90</td>
</tr>
<tr>
<td></td>
<td>*CRNA-Certified Registered Nurse Anesthetist</td>
<td></td>
</tr>
</tbody>
</table>

**Residence Halls**

- **Standard Residence Hall**
  - Single Room $2,583 00
  - Double Room $1,623 00

- **Reynolds (Honors College)**
  - Single Room $2,921 00
  - Double Room $1,820 00

- **Central Drive Hall**
  - Single Room $2,362 00
  - Double Room $1,914 00

- **Robertson (Married Students)**
  - Efficiencies $2,681 00
  - One bedroom $2,785 00

- **Madison (Graduate Students)**
### Meal Plans**

**CATAMOUNT PLUS** --- Unlimited All-you-care-to-eat meals per semester

- $1,562 00
- plus $200 00 declining balance

**GOLD** --- 125 All-you-care-to-eat meals per semester

- $1,466 00
- plus $670 Declining Balance

**CATAMOUNT UNLIMITED** --- Unlimited All-you-care-to-eat meals per semester

- $1,362 00

**PURPLE** --- 80 All-you-care-to-eat meals per semester plus $746 00 declining balance

- $1,266 00

**STANDARD DECLINING BALANCE** (Upper classman)

- $1,000 00

**COMMUTER COMBINED** --- $25 All-you-care-to-eat plus $350 00 declining balance

- $511 00

**COMMUTER DECLINING BALANCE**

- $500 00

**COMMUTER VARIABLE DECLINING**

- $50 00

**Freshmen must choose either the Catamount, Catamount Plus, or Gold Plan**

### Per Semester Charges Detail

<table>
<thead>
<tr>
<th></th>
<th>Full-time Student</th>
<th>North Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$ 1,407 90</td>
<td>$6,206 40</td>
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<tr>
<td>*Required Fees</td>
<td>$ 1,484 50</td>
<td>$ 1,484 50</td>
</tr>
<tr>
<td>**Book Rental Fee</td>
<td>$ 107 00</td>
<td>$ 107 00</td>
</tr>
<tr>
<td>***Room (standard double)</td>
<td>$1,623 00</td>
<td>$1,623 00</td>
</tr>
<tr>
<td>****Board (125 AYCE + $670DB)</td>
<td>$1,466 00</td>
<td>$1,466 00</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$6,088 40</td>
<td>$10,886 90</td>
</tr>
</tbody>
</table>

**Fees include $330 50 for Health Insurance Fee  May be waived by verifying coverage at [www.studentinsurance.com](http://www.studentinsurance.com)**

### Distance Learning Tuition and Fees

**Tuition and Fees per Semester Hour**

<table>
<thead>
<tr>
<th></th>
<th>In-State</th>
<th>Out-of-State</th>
<th>Out-of-State w/ NC Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$109 18</td>
<td>$ 387 73</td>
<td>$433 40</td>
</tr>
<tr>
<td>Graduate</td>
<td>$174 50</td>
<td>$ 573 75</td>
<td>$ 644 35</td>
</tr>
<tr>
<td>Military</td>
<td>see above</td>
<td>$ 250 00</td>
<td>$ 250 00</td>
</tr>
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</table>
Fees for Distance Education include Education and Technology, Association of Student Government, and Administrative Computing.

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. On the average, for each full-time student enrolled in an institution of the University of North Carolina, the State of North Carolina appropriated $12,668 per year in public funds to support the educational programs offered.

Students and parents can also find detailed information concerning the cost of college and www.cfnc.org.

When tuition rates for the 2010-2011 were originally published, the General Assembly had established rates that have now been increased by subsequent actions of the General Assembly and the University of North Carolina. Due to economic conditions and resulting budget reductions, these actions were necessary to sustain and protect academic quality. Per Section 9.20 of Session Law 2010-31 and Section 3.4 of Senate Bill 1202, this bill reflects the rates as revised.

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 Dodson Cafeteria 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 Dodson 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.

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://wcudining.wcu.edu. Holiday hours will also be posted several days in advance at each location and will be available on the website.
Meal Plans

**Standard Declining Balance** ($1,000.00 per semester)
(Available to sophomores, juniors,
seniors and graduate students based on
credit hours)

**Catamount** ($1,362.00 per semester***)
(Available to all students)

**Catamount Plus** ($1,562.00 per semester)
Unlimited "All-you-care-to-eat" meals plus $200.00 declining balance points
(Available to all students)

**Gold 125 Block Plan** ($1,466.00 per semester)
125 "All-you-care-to-eat" meals
+ $670 Declining Balance Points
(Available to all students)

**Purple 80 Block Plan** ($1,266.00 per semester)
80 "All-you-care-to-eat" meals
+ $746 Declining Balance Point
(Available to sophomores, juniors, seniors, and graduate students based on credit hours)

**Commuter** ($511.00 per semester)
25 "All-you-care-to-eat" meals
+ $350 Declining Balance Points

**Part-time Student**
Undergraduate, enrolled for eleven or fewer hours, graduate, enrolled for eight or fewer hours

<table>
<thead>
<tr>
<th>Hours</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-State</td>
<td>Out-of-State</td>
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<tr>
<td>1</td>
<td>$ 452.73</td>
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<tr>
<td>2</td>
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<tr>
<td>3</td>
<td>653.93</td>
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<tr>
<td>4</td>
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<td>5</td>
<td>855.13</td>
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<tr>
<td>6</td>
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<td>7</td>
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<td>4,239.55</td>
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<tr>
<td>9</td>
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<td>5,891.28</td>
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<tr>
<td>10</td>
<td>2,392.88</td>
<td>5,991.88</td>
</tr>
<tr>
<td>11</td>
<td>2,493.48</td>
<td>6,092.48</td>
</tr>
</tbody>
</table>

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

**Other Fees**

Undergraduate admission application fee (one time only) $45
Graduation fee $30
Late fee $10

Cap, gown, and hood Obtained through WCU Bookstore

CLEP, GRE, NTE, etc Fee set by Educational Testing Service

Kimmel School of Construction Management and Technology $75 per semester

* Required fees include Health Services, $122.50, Recreational and Cultural, $263.00, Athletics, $308.50, Athletic Facilities, $45.00, Documents Fee, $5.00, Education and Technology, $181.50, ASG, $50, Student Recreation Center Debt Fee, $75.00, Transportation Fee, $30.00, Administrative Computing, $26.00, University Center Debt Fee, $40.50, Dining facility debt fee, $56.50, Health Insurance, $330.50 (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

***With standard residence hall - double room rate

****The all-you-care-to-eat meal plans combine an All-You-Care-To-Eat program located at Courtyard Dining Hall and a declining balance account that can be used at the other food-service locations on campus. "All You Care to Eat" plans include block meals that can be used any time during the semester, within normal facilities operating hours. Declining balance meal purchases are deducted throughout the term from a student's available balance of declining balance points. During the semester, any student with a declining balance account may make additional prepayments in minimum increments of $50 to increase the balance.

***** The student fee supports the high tech laboratories and computer software utilized by these majors

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 will be refunded 100 percent of tuition and fees. Students who withdraw from the university beginning the first 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>First day of classes</th>
<th>95 percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 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 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 will be refunded 100 percent of tuition and fees. Students who withdraw from the University beginning the first day of classes are eligible for refunds through the first fifty percent of the summer session. The refund 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**  Refunds of room fees for any semester or summer term will be calculated at the same rate as tuition and fees. Meal plan refunds for standard meal plans will be calculated based on a prorated daily balance. Meal plan refunds 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. Refunds for all-you-care-to-eat plans will be based on the policy applicable to each component. Refunds 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, One Stop Student Service 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. Prior to Fall 2010, the surcharge is 25%. 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 $107.00 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 wcu.bookstore.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
Residence Status for Tuition Purpose

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following:

Residence To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular, it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residency information.

Initiative Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

Parents Domicile If an individual, irrespective of age, has living parent(s) or court appointed guardian, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual, but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Furthermore, nondomiciliary status of parents is not deemed prima facie evidence of the applicant child's status if the applicant has lived, though not necessarily legally resided in North Carolina, for the five years preceding enrollment or registration.

Effect of Marriage Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residency intent. Furthermore, if both husband and wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

Military Personnel Any active duty member of the armed services qualifying for admission to an institution of higher education as defined in G.S. 116-143.1(a) (3) but not qualifying as a resident for tuition purposes under G.S. 116-143.1 shall be charged the in-State tuition rate and applicable mandatory fees for enrollments while the member of the armed services is abiding in this State incident to active military duty in this State. In the event the active duty member of the armed services is reassigned outside of North Carolina or retires, the member shall continue to be eligible for the in-State tuition rate and applicable mandatory fees so long as the member is continuously enrolled in the degree or other program in which the member was enrolled at the time the member is reassigned. In the event the active duty member of the armed services receives an Honorable Discharge from military service, the member shall continue to be eligible for the in-State tuition rate and applicable mandatory fees so long as the member establishes residency in North Carolina within thirty days after the discharge and is continuously enrolled in the degree or other program in which the member was enrolled at the time the member is discharged. Any department relative of a member of the armed services who is abiding in this State incident to active military duty, as defined by the Board of Governors of The University of North Carolina and by the State Board of Community Colleges while sharing the abode of that member shall be eligible to be charged the in-State tuition rate, if the dependent relative qualifies for admission to an institution of higher education as defined in G.S. 116-143.1(a) (3). The dependent relatives shall comply with the requirements of the Selective Service System, if applicable, in order to be accorded this benefit. In the event the member of the armed services is reassigned outside of North Carolina or retires, the dependent relative shall continue to be eligible for the in-State tuition rate and applicable mandatory fees so long as the dependent relative is continuously enrolled in the degree or other program in which the dependent relative was enrolled at the time the member is reassigned or retires. In the event the member of the
armed services receives an Honorable Discharge from military service, the dependent relative shall continue to be eligible for the in-State tuition rate and applicable mandatory fees so long as the dependent relative establishes residency within North Carolina within 30 days after the discharge and is continuously enrolled in the degree or other program in which the dependent relative was enrolled at the time the member is discharged.

Grace Period: If a person (1) has been a bona fide legal resident of the required duration, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months end during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domiciled outside North Carolina does not by itself cause loss of legal residence marking the beginning of the grace period.

Minors: Minors (persons under eighteen years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

a. If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult "acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina" and (2) "begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution."

b. If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If, under this consideration, a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve months duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary, however, a person deemed a resident of twelve months duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile: If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a twelve-month period, that person, if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual twelve-month durational requirement. However, any one person may receive the benefit of the provision only once.

Change of Status: A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification, once assigned and finalized pursuant to any appeal properly taken may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

Transfer Students: Students who transfer from one North Carolina public institution of higher education to another are treated as new students by the institution to which they are transferring and must be assigned an initial residence-status classification for tuition purposes.

Financial Aid
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 promise. Most awards are renewable, provided that financial need continues and satisfactory academic progress is maintained. Applications for consideration of eligibility are filed annually at no cost to the student and family. Entering students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). Students who have previously completed the FAFSA should receive a renewal application from the federal processor prior to January 1. This must be submitted as soon as possible after January 1 of each year the student will attend, Western Carolina University should be listed as a recipient of the information. Western Carolina's school code is 002981. The FAFSA can be accessed online at www.fafsa.ed.gov. The application should be completed as accurately as possible and conform with income tax information, since discrepancies require resubmission of information and consequent delay. The WCU personal data application will be mailed to applicants upon receipt of information from the federal processor. Receipt of this 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 deadline date of March 31. 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 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 seventy percent of all hours attempted at Western Carolina University.
- Students who have attempted between six (6) and twenty-three (23) hours must have a cumulative GPA of at least 1.5.
- Students who have attempted between twenty-four (24) and fifty-nine (59) hours must have a cumulative GPA of at least 1.8.
- Students who have attempted sixty (60) hours or more must have a cumulative GPA of at least 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 April 1, will begin April 1 and will continue thereafter. The processing time for applications is approximately six weeks after the file is complete.

Types of Aid: Three principal types of aid are available. (1) Scholarships or grants, which do not have to be repaid, awarded directly to the student. (2) Loans, usually long-term and low-interest, to be repaid after the student leaves college. (3) Employment, often work related to the student's field of study. Composite awards frequently are made, with the total amount dependent upon the student's individual needs and financial situation. Application forms and further information are available from the financial aid office.

Loans:

Federal Perkins Loan: These loans are awarded to undergraduate and graduate students who demonstrate financial need and meet the federal eligibility requirements. The maximum amount an eligible student may borrow is $5,500 per year as an undergraduate and $8,000 per year as a graduate. The maximum aggregate loan amount for an eligible undergraduate student is $27,500. A graduate student may borrow a maximum of $60,000 minus the amount borrowed as an undergraduate. Interest and repayment start nine months after the student leaves school or drops below half-time status. The interest rate is five percent.
Federal Direct Subsidized Stafford/Ford Loan These government-subsidized loans are available to students through the US Treasury. They are insured by the federal government and are available to undergraduate and graduate students who demonstrate financial need and meet the federal eligibility requirements. Depending on demonstrated need, a student may borrow up to $3,500 as a freshman, $4,500 as a sophomore, and $5,500 per year for the third through fifth years of undergraduate work. Graduate students may borrow up to $8,500 per year. There is a one percent origination fee with a variable interest rate based on the 91-day Treasury Bill plus 3.10 percent (capped at 8.25 percent). Repayment begins the day following expiration of a six-month grace period.

Federal Direct Unsubsidized Stafford/Ford Loan The Federal Direct Unsubsidized Stafford/Ford Loan Program provides loans to students after their demonstrated need has been met. The maximum amounts to borrow are based on the grade level of the students. There is a one percent combined origination and insurance fee. The interest rate is different from the subsidized Stafford and the borrower is responsible for accrued interest.

Federal Direct PLUS (Parents) Loans 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. There is a four percent origination fee with a variable interest rate based on the fifty-two week Treasury Bill plus 3.10 percent (capped at nine percent). Interest starts upon disbursement of funds. Repayment begins the date funds are disbursed. Borrowers may not have an adverse credit history to be determined eligible.

Loans for Study in Health, Science, and Mathematics The North Carolina State Education Assistance Authority (NCSEAA) provides loans to North Carolina residents for study in selected health, science, and mathematics disciplines. Programs at Western Carolina University to which the loans are applicable are education majors in biology, chemistry, mathematics, and physical and health sciences, other areas include medical technology and nursing. The amount of the loan is $4,000 annually to undergraduates during their second, third, and fourth years of study, and $5,000 for graduate students for two years. Recipients agree to cancel their obligation by securing full-time employment in designated shortage areas in health or in secondary or post-secondary school systems. For more information, contact the North Carolina Student Loan Program for Health, Science, and Mathematics, P.O. Box 20549, Raleigh, North Carolina 27619-0549 or telephone 919-549-8614.

North Carolina Four-Year Teaching Fellows Program Established by the General Assembly, this program is designed to fully subsidize the college cost of up to 400 talented high school seniors. Recipients will receive up to $6,500 per year for each of their four years in college. For each year that a Teaching Fellow teaches in a North Carolina public school after graduating from college, one-fourth of the Teaching Fellows award will be forgiven by the state. Applications are available through high school guidance offices, high school teacher recruiters, and the North Carolina Teaching Fellows Commission, 3739 National Drive, Suite 210, Raleigh, North Carolina 27612 or telephone 919-781-6527.

North Carolina Prospective Teacher Scholarship-Loans Financial assistance to full-time students in teacher education programs is available at $2,500 per academic year and may be continued for four years of undergraduate study if all prerequisites are met. Priority is given to students preparing for teaching in fields where the need is greatest. Scholarship loans are to be repaid in cash at six percent interest or by teaching in the public schools of North Carolina one year for each year of the loan.

Nurse Education Scholarship Loan Program This scholarship loan program is based upon financial need to work in combination with existing financial resources. A scholarship loan may be repaid through service in the state following completion of the nursing program or repayment in cash plus ten percent interest from the date of disbursement. A completed Free Application for Federal Student Aid (FAFSA) is required for consideration. For additional information, contact the Financial Aid Office.

The Nurse Scholars’ Program Established by the North Carolina General Assembly, this competitive, merit-based scholarship loan program is available to North Carolina students of exceptional academic achievement and leadership potential who desire to enter the nursing profession. Applications for a NSP award may be made by individuals who have been admitted to a participating nurse-education program and who meet the minimum qualifications for selection. The
North Carolina Nurse Scholars Commission selects 100 high school seniors for four-year scholarships at $5,000 per year and twenty-five upper-class recipients for $3,000 per year. A year of assistance may be repaid through a year of employment in a healthcare agency in North Carolina.

Grants

Federal Pell Grants: Eligibility for assistance under the Pell Program is based on financial need as determined by a formula of the U.S. Department of Education that is applied uniformly to all applicants. Awards range from $831.00 to $5,550.00 per academic year depending upon the cost of attendance. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for Federal Pell 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) and an application form available in the Financial Aid Office. Students must demonstrate financial need and be enrolled as a full-time student. Awards are for $700 per academic year.

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 Student Incentive Grant Program: Full-time undergraduate students who are legal residents of North Carolina may apply for grants based upon demonstrated financial need. Grants may not exceed $1,500 per academic year.

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: A student must be enrolled in at least six credit hours at one of the sixteen 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.

Special Assistance

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. Before communicating with the university about these benefits, prospective recipients should make inquiries and complete all requirements at their local Veterans Administration Office.

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.

War Orphans Education Assistance Act: Sons and daughters of deceased veterans and of totally disabled veterans who are eighteen through twenty-six years of age are eligible for financial aid if the death or disability of the parent was a result of service in the armed forces. Local Veterans Administration offices can supply complete details.

Employment
Federal Work-Study Program Employment is available to eligible students to help them pay for college expenses. An effort is made to assign students to work related to their fields of study or to use their special interests and skills. This program is administered through the financial aid office.

Graduate Assistantships Stipends of $6,000 to $8,500, depending upon the assignment involved, are awarded to qualified graduate students through the Graduate School. These stipends require twenty hours of work per week.

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 Career Services/Cooperative Education Office. All non-work-study job opportunities on the campus and some off-campus jobs are posted with Career Services/Cooperative Education. Students should check the on-line posted vacancies at http://careers.wcu.edu, for information about student part-time jobs. The career services office is located on the 2nd floor of the Killian Annex building.

Applying for Scholarships

The Office of Financial Aid manages academic scholarship awards supported by funds from donors. The Financial Aid Office cooperates with the admissions office and representatives from the colleges in screening applicants and making awards through the University Scholarship Committee. A scholarship application is not required to be considered. Students will be considered for all scholarships for which they may be eligible. For information about eligibility for academic scholarships, contact the Financial Aid Office.

Each year, WCU awards hundreds of thousands of dollars in scholarships. Generally, these scholarships can be categorized as:

**Merit-Based Scholarships**
Available to all students, merit-based scholarships recognize achievement and not financial need. Since we use academic records to match students with scholarships, you don’t need to submit any additional applications to be considered. For detailed information about these opportunities, contact the Honors College.

**Need-Based Scholarships**
Available to students with demonstrated financial need as determined by Federal Methodology. To be considered for these scholarships, complete the Free Application for Federal Student Aid (FAFSA). Most need-based scholarships are renewable, but you must complete the FAFSA every year in order to establish eligibility. The priority filing date for the FAFSA is March 31st.

When exploring WCU scholarships, be sure to consider:

- **Scholarships for Entering Freshman** Your admissions application and acceptance to the University automatically gives you consideration for many of these awards. Additionally, your Financial Aid Application may increase your eligibility for other scholarship opportunities.
- **Academic Scholarships** If you’ve declared your major, you should contact your academic department or your college dean’s office about scholarships in your discipline.
- **Athletic Scholarships** Each WCU athletic team coordinates scholarships for outstanding students. For more information, contact WCU athletics.
- **Leadership and Special Scholarships** Contact the Office of Student Affairs.

For a full scholarship listing, please visit wcu.edu/scholarships.
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 last day of late registration as announced in the academic calendar. A late registration fee will be charged.

Post-Graduation Registration. Students who complete a degree and who wish to continue their enrollment without changing levels should contact the Registrar's Office.

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.
Credits, Grades, and Quality Points

The basic unit of credit is the semester hour. A semester hour represents one lecture recitation hour or a minimum of one, two, or three laboratory hours a week for a semester. In experiential courses, a minimum of three hours is required per hour of credit.

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 nineteen hours. Any schedule that exceeds nineteen 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. Course load regulations for the mini or summer session are published on the Registrar's website at www.wcu.edu/registrar.

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

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

Grading and Quality Point System *

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<th>Grade Interpretation</th>
<th>Quality Points per Semester Hour</th>
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*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.

Composition-Condition Marks A student whose written work in any course fails to meet acceptable standards will be assigned a composition-condition (CC) mark by the instructor on the final grade report. All undergraduates who receive two CC grades prior to the semester in which they complete 110 hours at Western Carolina University are required to pass English 300 or English 401 before they will be eligible for graduation. This course must be taken within two semesters of receiving the second CC and must be passed with a grade of C (2.0) or better.
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-, 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  In-progress grades are assigned only in selected courses which have been approved for IP grading and are pending until the work is completed.

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.

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. The instructor will, with the approval of the department head, report the error in writing to the dean with a recommendation about the action to be taken. Only the instructor can change the grade in a course except as provided in the incomplete grade 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 are furnished, either to the student or by mail, only after accounts are cleared and only upon the student's written request, which must include the student's signature and student identification number. There is no charge for transcripts issued.

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 Withdrawal  After consultation with the academic adviser and the instructor of the course, a student may withdraw from any course prior to the expiration of one-half of the term and receive a W. A completed withdrawal form must be presented to the One Stop Student Service Center prior to the withdrawal deadline for posting. Course withdrawals do not count toward the twelve hours required for full-time enrollment and no refund is given.

After one-half of a term, but prior to the fourteenth week of the semester (or before the last two class days of summer sessions), a "W" will be assigned only for written verifiable mental health, medical, legal, or administrative reasons. In order to obtain a "W", the student must first consult with the course instructor, who may elect to support or withhold support for the student's request. If the instructor supports in writing the student's request, the student must receive written verifiable...
support from Western Carolina University Health Services' staff, Counseling and Psychological Services' staff, an official court of law, or a college dean, as appropriate. If a withdrawal is granted by the course instructor, the head of the department offering the course, and the student's adviser, the withdrawal form must be submitted to the One Stop Student Service Center no later than the last day of the thirteenth week of the semester. No Ws will be assigned after the last day of the thirteenth week of a semester, or during the last two class days of a summer session. In extenuating circumstances, or if the student's request is not approved by any university party involved, the student can appeal through the Academic Appeal Procedure within thirty-five days after the end of final exams.

**University Withdrawal**

To withdraw from the university (i.e., cease to attend all courses), a student must complete a withdrawal form from the Advising Center.

If an emergency prevents a student from completing the withdrawal process before leaving the campus, the student should call, write, or arrange for a relative to contact the Advising Center at 828-227-7753.

Any time a student is forced to withdraw from the university during a term for mental health, medical, legal, or administrative reasons which are verified in writing, a grade of W will be assigned in all courses in which the student is registered. If a student withdraws from the university for other than mental health, medical, legal, or administrative reasons after one-half of the total class time has elapsed, an F, W, or I grade will be assigned by the instructor according to the following guidelines:

1. A W grade will be assigned if the student is passing or if the student's progress has not been evaluated.
2. An I grade will be assigned if the instructor agrees that there is a reasonable prospect that the work can be made up and agrees to allow the student to do so.
3. An F grade will be assigned if the student is failing.

Current policies and procedures pertaining to grades, indebtedness, and refunds are applicable upon withdrawal from the university. A student who withdraws from the university either during or at the end of a term for any reason is responsible for clearing any indebtedness to Residential Living, bookstore, financial aid office, controller's office, library, university police department, academic departments, and health services.

**Psychological/Mental Health University Withdrawal and Readmittance**

If a student obtains a psychological or mental health withdrawal, readmittance to Western Carolina University is contingent upon review by Counseling and Psychological Services to ensure that recommended services can be obtained. These students will not be allowed to preregister or register for future classes until they have met the criteria outlined at the time of withdrawal.

**Return to Residential Hall after Psychiatric Hospitalization**

Students hospitalized for psychiatric reasons, while living in the residence halls, must meet the Guidelines for Conditional Return to Residence Hall before returning to live in the residence hall. This includes meeting with Residential Living and Counseling and Psychological Services Center staff to address personal safety and related concerns.

**Withdrawal for Deployment or Other Military Contingency**

Students who must withdraw from a course or from the university for reasons of deployment or other military contingency will be allowed to do so without penalty and with full refund during any part of the academic term. The Advising Center will work with the Office of Military Education, as needed, to substantiate the validity of the withdrawal request. Requests to withdraw based on attendance of non-emergency or routine training courses will not automatically be approved, but will be considered on a case-by-case basis.

**Class Attendance Policy**

**I General Attendance Policy**

All undergraduates are expected to attend and participate in all meetings of the courses in which they are enrolled, any absence is incurred at the student's 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
The instructor will distribute written attendance policies to students at the beginning of each term. 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.

Students with more unexcused absences than the semester hours given for a course can expect the instructor to lower their final grade, especially in a 100-(freshman) 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 night class) or more constitutes a significant amount of class materials and experience and 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 Excused Absences

In addition to a documented and bona fide medical emergency or the death of an immediate family member, excused absences are granted for university events that include 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).

Individual class requirements such as field trips, field research or service learning activities are not considered institutional events. Faculty who schedule outside activities may request other faculty to excuse students from their classes so they may attend the outside event. However, individual faculty will determine whether the absence is excused or not. 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.

An instructor is expected to honor a valid university excuse for an absence and to provide reasonable make-up work if the student notifies him or her of the approved absence at least one class period prior to the date of absence. A student who misses class work because of a university excused 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. 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 high number of classes (e.g., 10% or more of class time) for excused absences is required to discuss this issue with the instructor during the first week of classes to determine the possible solutions or consequences. Courses in professional programs with accreditation or licensure requirements should not be taken in a semester where a student anticipates a high number of absences.

The trip or activity sponsor must obtain written permission to travel as soon as possible and give each student a copy of the approved request. Each student must give the request to the instructor as soon as possible but ideally at least one week prior to the day of the absence. The request should contain the name of the sponsor and group, the purpose, date(s), location of the event, and time and the names of the participating students.

The University Sponsored Absence Form is found on the Office of Provost’s webpage:
http://www.wcu.edu/provost/resources/forms.html

III 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).

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 in the appropriate dean's office. Re-registration will not be permitted for any reason after census day (10th day of semester).

**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, the vice chancellor for academic affairs, 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 for Academic Affairs to have one of the exams rescheduled.

Other end-of-course evaluations, whatever form they take, must also be administered and completed during final exam week.

**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 MyCat. 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 ($30) 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**

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 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 Department of Student Community Ethics (DSCE).
Violations of the Academic Integrity Policy include:

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

The procedures for cases involving allegations of academic dishonesty are:

### Undergraduate (Graduate) Process

Graduate students should read inside the parenthesis to identify the appropriate entities in charge of that step of the process.

1. Faculty members have the right to determine the appropriate sanction(s) for violations of the Academic Integrity Policy within their courses, up to and including a final grade of “F” in the course. Within five (5) days of the instructor’s knowledge of the alleged violation of the Academic Integrity Policy, the instructor will inform his/her department head (Associate Dean of the Graduate School) in writing of the allegation and proposed sanction(s).

2. The Faculty member will meet with the student to inform him/her orally and in writing of the allegation and the sanction(s) imposed within ten (10) days of knowledge of the alleged violation. If the student is part of a distance learning program and does not have face-to-face interaction with the faculty member, the meeting may take place over the phone. Should either the student or faculty member feel uncomfortable about this meeting, either party may bring an advisor to this meeting. Prior to this meeting, the faculty member will contact the DSCE (227-7234) to establish if the student has any record of previous academic integrity violations. If a previous academic integrity violation exists, the matter must be referred directly to the DSCE.

3. If the case is a first offense, the student can choose to accept the allegation and proposed sanction(s) from the faculty member by signing a Mutual Resolution or can choose to have a hearing with the Academic Integrity Board (Graduate Academic Integrity Board). Prior to the meeting with the student, the faculty member will complete the Academic Integrity Violation Form (dsce.wcu.edu). Once complete, the faculty member will present it to the student, who must choose to either accept the proposal or go to a hearing. After the student has made a decision, the faculty member is responsible for submitting copies to the student, the faculty member’s department head, and the DSCE. The DSCE should also receive any supporting documentation such as the assignment in question, the course syllabus, etc. Mutual Resolutions are final and are not subject to further review or appeal. The DSCE will maintain these files and provide the faculty member and department head confirmation of receipt.

4. In instances of second offenses, or when the student chooses a hearing, the DSCE and student will schedule a hearing orientation meeting to discuss the hearing process and schedule a hearing. The date of the hearing will not be fewer than ten (10) days after receipt of written notice. The student can waive minimum notice of a hearing; however, extensions are at the sole discretion of the DSCE. Should the student choose not to attend his/her hearing orientation meeting, the DSCE will assign a hearing date.

5. Hearings shall be conducted by the Academic Integrity Board (Graduate Academic Integrity Board) according to the following guidelines:

   (a) Hearings shall be conducted in private.
   (b) Admission of any person to the hearing shall be at the discretion of the chair of the Academic Integrity Board (Graduate Academic Integrity Board) and/or the DSCE.
   (c) Charges against multiple students involved in the same incident may be heard in a single hearing only if the accused student(s), complainant(s), and the DSCE consent to such a proceeding.
   (d) The complainant (faculty member) and the accused each have the right to be assisted by any adviser they choose, at their own expense. The complainant and the accused are both responsible for presenting their own cases. Advisers are not permitted to speak or to participate directly in any hearing before the Academic Integrity Board (Graduate Academic Integrity Board).
(e) The DSCE and the Academic Integrity Board (Graduate Academic Integrity Board) must assure that the accused student has the capability to present his/her information and defense at the hearing. The method for assuring this capability may vary depending on the nature of the case. Upon a determination of incapability, the DSCE must advise the accused to seek assistance or may assign an adviser to the accused.

(f) Prior to the hearing, the complainant, and the accused have the right to review any written information that will be used at the hearing and to obtain a list of witnesses intended to be called.

(g) Pertinent records, exhibits, and written statements may be accepted as information for consideration by a hearing body to the extent that the information is relevant, credible, not prejudicial to the fairness of the proceedings, and does not otherwise infringe upon the rights of other students.

(h) All procedural questions are subject to the final decision of the chair of the Academic Integrity Board (Graduate Academic Integrity Board).

(i) During the closed deliberations of the hearing, the Academic Integrity Board (Graduate Academic Integrity Board) shall determine by majority vote whether the student has violated each section of the code with which the student has been charged.

(j) The Academic Integrity Board’s (Graduate Academic Integrity Board’s) determination shall be made on the basis of whether it is more likely than not (a preponderance of the information) that the accused student violated the code.

(k) The following order of presentation is recommended for use in formal hearings. The order may be changed at the discretion of the chair of the Academic Integrity Board (Graduate Academic Integrity Board).

1. Presentation of formal charges
2. Opening statements by the complainant and by the accused
3. Presentation of information and witnesses, and cross-examination by the complainant and by the accused
4. Closing statements by the complainant and then by the accused
5. The Academic Integrity Board (Graduate Academic Integrity Board) will then go into closed deliberations. The accused student, complainant, and all witnesses, unless released by the chair, are required to remain in close proximity to the hearing, should the Academic Integrity Board (Graduate Academic Integrity Board) need to recall.
6. When deliberations are complete, the accused student and complainant are recalled and the chairperson verbally delivers the finding of the hearing body. If the student is found not-responsible, the hearing is then complete. If the student is found responsible for the violation(s), the board will once again go into closed deliberations to determine sanctioning.

6. There shall be a single verbatim record, such as a recording, of all hearings before the Academic Integrity Board (Graduate Academic Integrity Board). The record shall be the property of the university.

7. In all cases, the information in support of the charges shall be presented and considered. Thus, if the accused student chooses not to be present at his/her hearing, the hearing will continue in absentia. A student’s absence at his/her hearing is not a violation of the code, however it prevents that student’s voice from being heard.

8. During the closed deliberations of the hearing, the Academic Integrity Board (Graduate Academic Integrity Board) shall deliberate to determine if the accused is responsible for violations of the code. If responsibility for a violation is found, the hearing body will impose appropriate sanction(s) as outlined in Article VIII of the Code of Student Conduct. After a finding of responsibility and before determination of sanction(s), the hearing body may review the disciplinary history of the accused student and/or victim-impact statements. If the hearing body determines that expulsion is an appropriate sanction, that finding must be in the form of a recommendation to the Vice Chancellor for Student Affairs, who makes the final administrative decision in all expulsion cases. Final administrative decision must be reached within forty-five (45) days and transmitted in writing to the student within ten (10) days of the decision.

9. In cases other than those which result in a recommendation of expulsion, the final administrative decision must be transmitted to the student in writing within ten (10) days of the date the decision is made, and it must contain a brief summary of the information upon which the decision is based and appeal rights must be specified by the DSCE.

10. The Academic Integrity Board (Graduate Academic Integrity Board) will consist of two (2) students from the DSCE Student Hearing Board (Graduate Student Representatives) and three (3) faculty members (Graduate Faculty Representatives). The DSCE faculty fellow may be one of the
faculty members and may serve as the chair. The other two (2) faculty members will be chosen by the DSCE from a pool of twelve (12) faculty hearing officers. Each academic year, each college dean will appoint two (2) faculty members from his/her college to comprise the pool of twelve (12) faculty hearing officers. In the event that there is no DSCE faculty fellow the third faculty member on any Academic Integrity Board (Graduate Academic Integrity Board) will be chosen from the pool. The Academic Integrity Board (Graduate Academic Integrity Board) may impose any sanction(s) as outlined in Article VIII in the Code of Student Conduct. Students given a sanction of probation for a violation of the Academic Integrity Policy will remain on probation at WCU until graduation. In the event the Academic Integrity Board (Graduate Academic Integrity Board) assigns a sanction which requires review, the faculty member bringing the charges and the chair of the Academic Integrity Board (Graduate Academic Integrity Board) will determine if the sanction is satisfactory. These educational sanctions are independent from course work and do not have any bearing on a student's evaluative grade.

11. Following a decision from the Academic Integrity Board (Graduate Academic Integrity Board), the DSCE will inform the student of the outcome of the hearing in writing. If a student is found responsible, the DSCE will inform him/her of the sanction(s) to be imposed and of his/her right to file an appeal with the University College Academic Action Committee. If the student does not file an appeal within five (5) days of the hearing, the sanction(s) from the hearing body will be imposed. The appeal is limited to the following rules, procedures, and existing verbatim record.

12. Upon final resolution of a case involving suspension or expulsion, the DSCE will inform the appropriate dean, department head (Graduate Program Director), and the administrator in the One Stop Office who is responsible for University Withdrawals of the sanction(s).

Any violation of the Academic Integrity policy, including a first offense, may place the student in jeopardy of suspension from the university. A repeated violation or more serious first offense may result in expulsion. Disciplinary records for any act of academic dishonesty are retained by the DSCE for at least eight (8) years from the date of final adjudication. These records are available to prospective employers and other educational institutions in accordance with federal regulations. Students may inspect their conduct files in accordance with University Policy #72 — Student Records.

**Grounds for Appeal**

An appeal shall be limited to review of the verbatim record of the initial hearing and supporting documents for one or more of the following purposes to be included in the letter of appeal:

- A violation of due process
- A material deviation from Substantive and Procedural standards adopted by the Board of Governors

**Process for Appeal**

- Based on the grounds listed above, any decision reached or sanction(s) imposed by the Academic Integrity Board (Graduate Academic Integrity Board) shall be afforded at least one level of appeal. In cases that do not result in University suspension/expulsion the decision made by the College Academic Action Committee is final and there will be no further appeals.
- Cases that result in a sanction(s) of university suspension/expulsion can be appealed to the College Academic Action Committee, and then to the Vice Chancellor of Student Affairs, and then to the Chancellor.
- Cases can be appealed by the accused student or the complainant.
- A formal notice of appeal shall be in writing and shall be delivered to the appellate body within five (5) calendar days of the decision.

**Timeline for Appeal**

- A formal written appeal is due to the College Academic Action Committee within five (5) days of the hearing, or receipt of the hearing findings letter, whichever is first.
- Upon receipt of the appeal, the College Academic Action Committee must render a decision within five (5) days, and notice of the appellate decision must be communicated within ten (10) days of the decision.
Should the student have the ability and wish to appeal that decision, a formal written appeal is due to the Vice Chancellor of Student Affairs within five (5) days of the receipt of the hearing findings letter.

Should the student have the ability and wish to appeal that decision, a formal written appeal is due to the Chancellor within five (5) days of the receipt of the hearing findings letter.

At all times the DSCE reserves the authority to make exceptions to timelines on a case-by-case basis (e.g., university closures, holidays, ends of semester, etc.)

Outcomes for Appeal

- If an appellate body upholds the findings of the hearing body, the review of the case may result in reduced or adjusted sanctions, but may not increase the sanction(s) imposed by the original hearing body.
- Procedures for appeals are determined by the appellate body and shall be communicated to the appealing student in advance of the appeal.
- If the appeal is denied, the student must comply with the original sanction(s).
- Students are not expected to complete any assigned sanctions during this process until they have exhausted their appellate process and the case is completed.

Note: Resolution of academic honesty complaints will be handled according to the provisions of the Academic Honesty Policy. Records of academic dishonesty cases are maintained in the Office of Student Judicial Affairs.

For specific information on procedures for cases involving allegations of academic dishonesty, see relevant sections in the Student Handbook.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) afford 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 (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

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

The policies of the University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary, General Administration, The University of North Carolina, 910 Raleigh Road, Chapel Hill, North Carolina, 27515.
Further details about FERPA and its procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, North Carolina (mailing address PO 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 plan 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 Standing**

A student’s academic standing during any term is determined by the cumulative grade point average (GPA) earned on the total quality hours. To be in good academic standing, a GPA of 2.0 must be maintained. A student who is not in good academic standing is not eligible for graduation.

Students on academic warning or academic probation are eligible to attend the university under specified provisions but are not in good standing.

**Quality Points and Grade Point Average**

A quality point is the numerical value assigned to a letter grade. The quality points earned in a course are determined by multiplying the quality point value of the grade earned by the credit-hour value of the course. The GPA is determined by dividing the total number of quality points by the total number of semester quality hours.

The credit hours earned in all of the university's off-campus, degree-credit courses are awarded quality points on the same basis as courses on the Cullowhee campus.

**Quality Hours**

"Quality hours" refers to the total credit-hour value of all Western Carolina University courses in which a student has regularly enrolled and earned grades from A to F.

Transfer Hours "Transfer hours” refers to the total credit-hour value of courses accepted toward a degree not earned by regular enrollment in Western Carolina University courses. This includes hours earned through (1) transfer of credit from other institutions, (2) military service courses, and (3) credit for experiential learning.

**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 an 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 Probation Policies**

**Academic Probation for Continuing Students**  Continuing students are placed on academic probation when their cumulative WCU grade point average (GPA) falls below 2.0. At the end of the term of academic probation, students must achieve one of the following:

a. Raise the cumulative GPA to good standing (2.0), or
b. Earn a minimum 2.30 GPA during the probationary term

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

**Academic Probation for First Semester Freshmen and New Transfers**  In addition to the above criteria, first semester freshmen and new transfer students who are placed on academic probation must meet specific guidelines in order to continue enrollment in the University.

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 may return to the University for their second semester only if they choose to participate in the Learning Contract program.

**Learning Contract Program**  First semester freshmen and new transfers will be placed on academic probation if their GPA falls within the range of 1.0 to 1.999 at the end of their first semester. Students placed on academic probation with a cumulative GPA in this range at the end of their first semester must participate in the Learning Contract program during their second semester. Students who do not choose this option 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 WCU under the general guidelines for academic probation.

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 the necessary plans to reach those goals. Students will be linked 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 make at least a 2.30 GPA during their second semester or bring their cumulative grade point average to good standing (2.0). Failure to achieve these guidelines will result in academic suspension.

**Academic Suspension Policies**

**Academic Suspension for Continuing Students**  Academic Suspension from the University will occur as a result of failing to meet the criteria specified while on academic probation.

Students placed on academic suspension are not eligible to enroll in the University for one semester. After a one-semester suspension, students may apply for readmission to the University. If readmitted, students will return on academic probation.

The semester of suspension is intended to provide students with time to carefully consider the reasons for academic difficulty, resolve problems, clarify educational goals, and improve academic skills. If a student attends another institution while on suspension, the student must have a minimum 2.0 GPA on all work attempted since their last enrollment at Western Carolina University. Students are reminded that grades made in transferred courses are not computed in the GPA calculation at Western Carolina University.

**Academic Suspension for First Semester Freshmen and New Transfers**  First semester freshmen and new transfers who earn a cumulative GPA below a 1.0 at the end of their first semester will be placed on academic suspension and will not be eligible to enroll in the University for one semester. After a one-semester suspension, students may apply for readmission to the University. If readmitted, students will return on academic probation.
The semester of suspension is intended to provide students with time to carefully consider the reasons for academic difficulty, resolve problems, clarify educational goals, and improve academic skills. If a student attends another institution while on suspension, the student must have a minimum 2.0 GPA on all work attempted since their last enrollment at Western Carolina University. Students are reminded that grades made in transferred courses are not computed in the GPA calculation at Western Carolina University.

Appeal Process of Academic Suspension

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 as "Board"). The Board's decision is final. The Board's decision is based upon the student's letter of appeal which includes the reason for poor academic performance, documentation of extenuating circumstances, and a plan for rectifying the academic performance and raising the GPA to acceptable standards, as well as the student's previous academic history. Requests for reinstatement must be submitted to the Advising Center by the deadline stated in the academic suspension notification letter. Instructions for completing the request for reinstatement are included in the suspension notification letter. A student whose appeal for reinstatement is approved will be designated as "Suspended/Reinstated" on his or her academic record.

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 (n.b. For these procedures, a "working day" = a day classes are held on campus).

Appeals of a final assigned grade and appeals of dismissals from an academic program follow similar procedures: 1) Appeal to Instructor, 2) Appeal to Department Head (The term "Department Head" in these procedures refers both to Department Heads and School Directors), 3) Appeal to Academic College - Associate Dean - may dismiss appeal or send to 4) College Academic Action Committee Review, or 5) Academic Dean Review.

An Appeal to Provost is only allowed for (1) alleged violations of procedures, (2) discrimination based on a protected class, or (3) the student's exercise of rights guaranteed by the United States Constitutional. No right of appeal is available beyond the Provost.

**Final Grade Appeal Procedures**

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

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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 bad 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 statement of the reason(s) why the student believes the dismissal was impermissibly or arbitrarily assigned (see policy Academic Action Appeal Policy),
- 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 statement of the reason(s) the student believes the dismissal was impermissibly or arbitrarily assigned,
- The steps taken to resolve the disagreement over the dismissal, and
- 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, 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 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

A maximum of 15 credit hours may be repeated. 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. Check with your advisor.

The 15 credit hour limit of the repeat/grade replacement policy may be appealed by the student in writing to the student's adviser, department head or program director, and Dean.

Note

1 All course repeats, except courses available for re-enrollment for additional credit, require a permit for enrollment. If a faculty advisor approves the repeat permit, he/she can call or email the department head to have the permit entered in Banner so the student can enroll. DO NOT SEND STUDENTS TO THE ONESTOP FOR REPEAT PERMITS. ONESTOP PERSONNEL DO NOT HAVE THE AUTHORITY TO GRANT REPEAT PERMITS.

2 All repeats, except for re-enrollment for additional credit courses, result in a mandatory grade replacement. (The last course taken replaces the grade of the previous course.)

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, dropped (i.e., Ws) 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.

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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.

**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**

Transfer Students 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 102 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 102 or 102-H.

**Mathematics Placement Policy**

A mathematics skills assessment is administered to students who wish to take Math 140 (Introductory Calculus), Math 145 (Trigonometry), Math 146 (Algebra and Analytic Geometry), or Math 153 (Calculus I) without first completing the prerequisite course(s). Students planning to major in mathematics, computer science, chemistry, biology, electronics engineering technology, industrial technology, and manufacturing engineering technology should plan to take this skills assessment. Students who have a strong mathematics background and would like to take the highest level course for which they are qualified should take the skills assessment. The skills assessment will be administered to entering freshmen in the fall when classes begin and to continuing students during early registration when they plan to register for one of the courses listed above in the next semester. Transfer students may take the skills assessment by arrangement with the director of mathematics placement. The assessment does not generate course credit for course requirements that are waived as a result of placement. A scientific or graphics calculator is recommended for taking the assessment. Transfer credit for college-equivalent courses can be used to meet prerequisites. Any student may take the liberal studies math course, Math 101 (Mathematical Concepts). There is no placement requirement for this course, but it does not satisfy the prerequisites for college algebra or any other algebra-based course.

**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 Modern Foreign 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.

Noncredit 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 Council on Instruction and Curriculum. 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 experiences 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.

Army: https://aartstranscript.army.mil/
Navy and Marine Corps: https://smart.navy.mil/smart/welcome.do
NOTE: The Community College of the Air Force (CCAF) is accredited by the Southern Association of Colleges and Schools (SACS).
Coast Guard: http://www.uscg.mil/hq/cgi/ve/official_transcript.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.
Degree & Program Requirements

Programs of Study Information

The university offers programs leading to bachelors, masters, education-specialist, and doctoral degrees as well as preprofessional, internstitutional, 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.

Degree Programs and Requirements

The following table lists alphabetically the university's principal academic programs and indicates the college offering the programs. The colleges are Applied Sciences (AS), Arts and Sciences (A&S), Business (BUS), Education and Allied Professions (E&AP) and Kimmel School of Construction Management and Technology (KS).

<table>
<thead>
<tr>
<th>Undergraduate Major</th>
<th>College</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Accounting</td>
<td>BUS</td>
<td>B S B A</td>
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<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>B A</td>
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<tr>
<td>A&amp;S</td>
<td>B S</td>
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<tr>
<td>Art</td>
<td>FPA</td>
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<td>A&amp;S</td>
<td>B F A</td>
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<tr>
<td>A&amp;S</td>
<td>E&amp;AP</td>
<td>B S Ed</td>
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<tr>
<td>Athletic Training</td>
<td>HHS</td>
<td>B S</td>
</tr>
<tr>
<td>Biology</td>
<td>A&amp;S</td>
<td>B S</td>
</tr>
<tr>
<td>Burth-Kindergarten</td>
<td>E&amp;AP</td>
<td>BS</td>
</tr>
<tr>
<td>Business Administration and Law</td>
<td>BUS</td>
<td>B S B A</td>
</tr>
<tr>
<td>Chemistry</td>
<td>A&amp;S</td>
<td>B S</td>
</tr>
<tr>
<td>Communication</td>
<td>A&amp;S</td>
<td>B S</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>HHS</td>
<td>B S</td>
</tr>
<tr>
<td>Computer Information Systems</td>
<td>BUS</td>
<td>B S B A</td>
</tr>
<tr>
<td>Computer Science</td>
<td>A&amp;S</td>
<td>B S</td>
</tr>
<tr>
<td>Construction Management</td>
<td>KS</td>
<td>B S</td>
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<tr>
<td>Criminal Justice</td>
<td>HHS</td>
<td>B S</td>
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<tr>
<td>Electrical and Computer Engineering Technology</td>
<td>KS</td>
<td>B S E E</td>
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<tr>
<td>Electrical Engineering</td>
<td>KS</td>
<td>B S</td>
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<tr>
<td>Elementary Education</td>
<td>E&amp;AP</td>
<td>B S Ed</td>
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<tr>
<td>Emergency and Disaster Management</td>
<td>HHS</td>
<td>B S</td>
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<tr>
<td>Emergency Medical Care</td>
<td>HHS</td>
<td>B S</td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>KS</td>
<td>B S</td>
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<tr>
<td>English</td>
<td>A&amp;S</td>
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<td>E&amp;AP</td>
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<tr>
<td>Entrepreneurship</td>
<td>BUS</td>
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<tr>
<td>Environmental Health</td>
<td>BUS</td>
<td>B S</td>
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<tr>
<td>Environmental Sciences</td>
<td>A&amp;S</td>
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The bachelor's degree programs require the completion of a minimum of 120 semester hours to a maximum of 128 semester hours, including (1) 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.

**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.

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.

See Section on Grading and Quality Point System for requirements concerning composition condition (cc) marks.

**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 associate vice chancellor for academic affairs 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 for Academic Affairs. 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, provided they secure the prior approval of the departments and colleges through which the degree programs are offered. Approval must be secured not later than the end of the junior year. Students must meet the university's regular graduation requirements for each degree and obtain at least a 2.0 GPA.

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.

**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 (referred to as the Special Studies Primary Advisor) in one of the primary departments and in consultation with advisers/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 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 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 Special 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.

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
- Selected preprofessional 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.

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 credit as determined by the department. Students must be juniors or seniors in order to take an independent study course.
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.**

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 complete the form Intend to Complete Degree Requirements at Another Institution (www.wcu.edu/registrar/forms/students.asp).

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.

** See section on Grading and Quality Point System for requirements concerning composition condition (cc) marks.

Liberal Studies Program

Rationale

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 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 a First-Year Seminar in Liberal Studies, first-year 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 provides students with the academic skills and intellectual habits needed throughout the undergraduate experience, therefore, it 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 Liberal Arts. 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. It is a primary goal of the Liberal Studies program to promote a lifelong love of learning.

Requirements

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.

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 associate vice chancellor for academic affairs for liberal 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 in the North Carolina Community College System, the student's academic transcript
will be evaluated for transfer credit. 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 Vice Chancellor of Academic Affairs, in consultation with the
Advising Center and the Liberal Studies Oversight Committee, will determine whether that
institution's general education program is sufficiently similar to Western Carolina University's
Liberal Studies program to warrant a blanket waiver of the Liberal Studies requirements

Liberal Studies Program Requirements

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

The Core (21 hours)
C1 Writing (6 hours)
- ENGL 101 - Composition I Credits (3)
- ENGL 102 - Composition II 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 - Introduction to Speech 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, ENCH 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)
Students with 0-15 credit hours are required to take this course. Students with 15 - 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.

Students with 30 or more transfer credit hours are not eligible to take First-Year Seminar.

Grading for the First-Year Seminar is A, B, C, I (Incomplete), or U (Unsatisfactory).

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.

- ANTH 190 - Freshman Seminar The Human Condition Credits (3)
- ART 191 - Integral Arts Credits (3)
- BIOL 190 - Discoveries in Biology Credits (3)
- BIOL 192 - Plant Biodiversity 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)
- COMM 190 - A User's Guide to the Mass Media Credits (3)
- CS 190 - Privacy, Speech and the Internet 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)
- ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution 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)
- HIST 191 - Freshman Seminar Credits (3)
- HSCC 191 - Does Inequality Make You Sick? 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)
- 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 - Active Citizenship Making a Difference in Your Community 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 - Strategy First Credits (3)
- BIOL 334 - Biotechnology and Society Credits (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 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)*
- PAR 334 - Biotechnology and Society Credits (3) *(Upper-Level Course)*
- PSC 150 - American Government and Politics Credits (3)
- PSY 150 - General Psychology Credits (3)
- PSY 320 - Child and Adolescent Development Credits (3) *(Upper-Level Course)*
- PSY 331 - Human Sexuality Credits (3)
- PSY 370 - Psychology and Law Credits (3)
- PT 400 - Complimentary and Integrative Therapies Credits (3)
- RTH 300 - Health and Healing - The Spirit-mind-body connection Credits (3)
- SOC 103 - Human Society Credits (3)
- SOC 235 - Social Problems Credits (3)
- SOC 414 - Minority Groups Credits (3)
- SOCW 251 - Social Issues, Policy and Programs Credits (3)
- SOCW 402 - Diversity in Contemporary Society Credits (3)

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

**P3 History (3 hours)**

- HIST 107 - World Cultures in Historical Perspective Credits (3)
- HIST 141 - Turning Points in American History Paths Taken and Rejected Credits (3)
- HIST 142 - Lunatics, Dreamers and Ordinary People Biography in American History Credits (3)
- HIST 151 - Turning Points in European History Paths Taken and Rejected Credits (3)
- HIST 152 - Lunatics, Dreamers and Ordinary People Biography in European History Credits (3)
- HIST 221 - European History to 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)
- HIST 311 - Ancient Greece and Rome Credits (3)
- HIST 312 - The Heroic Age Credits (3)
- HIST 313 - The High Middle Ages Credits (3)
- HIST 317 - History of Twentieth-Century International Relations Credits (3)
- HIST 322 - British History to 1603 Credits (3)
- HIST 323 - British History Since 1603 Credits (3)
- HIST 327 - Modern Russia Credits (3)
- HIST 330 - Modern Germany Credits (3)
- HIST 335 - History of Capitalism Credits (3)
- HIST 341 - North Carolina History Credits (3)
- 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)

(Upper-Level Course)

- PAR 250 - Origins of Early Christian Traditions Credits (3)

(Upper-Level Course)

- PAR 365 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith Credits (3)

(Upper-Level Course)

- PAR 366 - Religion and Science God's Law and the Laws of Nature Credits (3)

(Upper-Level Course)

P4 Humanities (3 hours)

- CS 210 - Internet Security and Ethics Credits (3)

- ENGL 206 - Literature of Place Credits (3)

- ENGL 207 - Popular Literature and Culture Credits (3)

- ENGL 209 - Past Times Literature and History 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)

(Upper-Level Course)

- ENGL 351 - The Beats, Radicals, and Avant-Garde Literature Credits (3)

(Upper-Level Course)

- ENGL 352 - The Journey in Literature Credits (3)

(Upper-Level Course)

- ENGL 353 - Stories Retold Credits (3)

- ENGL 367 - Appalachian Literature Credits (3)

(Upper-Level Course)

- ENGL 368 - Film Genres Credits (3, R6)

(Upper-Level Course)

- ENGL 390 - The Bible as Literature Credits (3)

(Upper-Level Course)

- ENGL 459 - Southern 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)

- HIST 185 - History of Death in Western Civilization 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 230 - Legal, Scientific, & Critical Reasoning Credits (3)
• PAR 304 - Justice, Power and Human Nature in the Ancient Greek Polis Credits (3)
  (Upper-Level Course)
• PAR 306 - Science, Reason, and Autonomy in the Enlightenment Credits (3)
  (Upper-Level Course)
• PAR 307 - From Existentialism to Feminism Credits (3)
  (Upper-Level Course)
• PAR 308 - From Pragmatism to Postmodernism 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)
  (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)
• MPTP 340 - Filmmakers on Filmmaking Credits (3)
  (Upper-Level Course)
• MUS 101 - Music Appreciation Credits (3)
• MUS 102 - Music in American Culture Credits (3)
• 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 202 - Art of World Cultures Credits (3)
• 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
• COMM 415 - Intercultural Communication Credits (3)
  (Upper-Level course)
- ENGL 204 - The Literature of Culture Credits (3)
- ENGL 366 - Literature of American 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)
- FREN 110 - Experiencing French and the Francophone World Accelerated Credits (6)
- GEOG 103 - Cultural Geography Credits (3)
- GEOG 440 - Regional Geography Credits (3, R12) *(Upper-Level Course)*
- GER 101 - Experiencing German and the German-Speaking World Credits (3)
- GER 102 - Experiencing German and the German-Speaking World II Credits (3)
- GER 110 - Experiencing German and The German-Speaking World Accelerated Credits (6)
- HSCC 205 - Women's Health Credits 3
- JPN 101 - Beginning Japanese I Credits (3)
- JPN 102 - Beginning Japanese II Credits (3)
- LAT 101 - Beginning Latin I Credits (3)
- LAT 102 - Beginning Latin II Credits (3)
- 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 242 - What is Religion? Credits (3)
- PAR 251 - Understanding Islamic Traditions Credits (3)
- PAR 260 - Women and Religion Credits (3)
- PAR 323 - Mysticism and the Modern Mind 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 355 - Contemporary Religious Classics Credits (3) *(Upper-Level Course)*
- PAR 367 - Native American Religions Credits (3) *(Upper-Level Course)*
- PSC 110 - Global Issues Credits (3)
- PSC 415 - Contemporary British Politics Credits (3) *(Upper-Level Course)*
- SPAN 101 - Experiencing Spanish and the Spanish-Speaking World Credits (3)
- SPAN 102 - Experiencing Spanish and the Spanish-Speaking World II Credits (3)
- SPAN 110 - Experiencing Spanish and the Spanish-Speaking World Accelerated Credits (6)

**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**

82
Courses used to meet Liberal Studies requirements may be used simultaneously to meet other requirements, including requirements in the major. Be reminded the Upper Level Perspective (ULP) requirement must be met by an approved ULP Liberal Studies course and be outside the discipline of the student’s major.
Undergraduate Degree Programs

College of Arts and Sciences

Wendy Ford, dean
David J Butcher, associate dean
Niall Michelsen, associate dean

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, Communications, English, Geosciences and Natural Resources, History, Math and Computer Science, Modern Foreign Languages, Philosophy and Religion, Political Science and Public Affairs. The College also offers baccalaureate degrees in the following interdisciplinary areas: Environmental Science, Forensic Science, Humanities, 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 engages 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 MFL 231-232 or 240.

Interdisciplinary Programs in the College of Arts and Sciences

Major

Environmental Science (Interdisciplinary), B.S.

Total number of hours for program: 120
Liberal Studies Hours: 42
Liberal Studies Program Requirements

Major Requirements

The major requires 69 hours as follows:

Foundations in Environmental Science

- BIOL 140 - Principles of Biology I 4 credits
- BIOL 141 - Principles of Biology II 4 credits
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 140</td>
<td>Advanced General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ES 101</td>
<td>Careers and Issues in Environmental Science</td>
<td>1</td>
</tr>
<tr>
<td>ES 150</td>
<td>Introduction and Approaches to Environmental Science</td>
<td>4</td>
</tr>
<tr>
<td>ES 495</td>
<td>Senior Research Seminar in Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 150</td>
<td>Methods in Geology</td>
<td>4</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Introductory Calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

**Geographic Information Systems**

Choose one from the following list:

- GEOG 321 - Geographic Information Systems Credits (3)
- NRM 344 - Introduction to Geographic Information Systems 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)
- ENVH 470 - Principles of Epidemiology 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)

**Environment and Society**

Choose one from the following list:

- ANTH 351 - Environmental Anthropology Credits (3)
- GEOG 402 - Conservation of Natural Resources 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 (3)
- MATH 375 - Statistical Methods II Credits (3)

**B Advanced Environmental Sciences**

1. **Field & Natural Environmental Science**

Choose one from the following list:

- BIOL 434 - Terrestrial Ecology Credits (4)
- BIOL 435 - Aquatic Ecology Credits (4)
- GEOL 305 - Soils and Hydrology Credits (4)
- GEOL 405 - Hydrogeology Credits (4)

2. **Analytical/Instrumentation**

Choose one from the following list:

- CHEM 140 - Advanced General Chemistry Credits (4)
- ES 101 - Careers and Issues in Environmental Science Credits (1)
- ES 150 - Introduction and Approaches to Environmental Science Credits (4)
- ES 495 - Senior Research Seminar in Environmental Science Credits (3)
- GEOL 150 - Methods in Geology Credits (4)
- MATH 140 - Introductory Calculus Credits (5)

**Geographic Information Systems**

Choose one from the following list:

- GEOG 321 - Geographic Information Systems Credits (3)
- NRM 344 - Introduction to Geographic Information Systems 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)
- ENVH 470 - Principles of Epidemiology 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)

**Environment and Society**

Choose one from the following list:

- ANTH 351 - Environmental Anthropology Credits (3)
- GEOG 402 - Conservation of Natural Resources 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 (3)
- MATH 375 - Statistical Methods II Credits (3)

**B Advanced Environmental Sciences**

1. **Field & Natural Environmental Science**

Choose one from the following list:

- BIOL 434 - Terrestrial Ecology Credits (4)
- BIOL 435 - Aquatic Ecology Credits (4)
- GEOL 305 - Soils and Hydrology Credits (4)
- GEOL 405 - Hydrogeology Credits (4)

2. **Analytical/Instrumentation**

Choose one from the following list:

- CHEM 140 - Advanced General Chemistry Credits (4)
- ES 101 - Careers and Issues in Environmental Science Credits (1)
- ES 150 - Introduction and Approaches to Environmental Science Credits (4)
- ES 495 - Senior Research Seminar in Environmental Science Credits (3)
- GEOL 150 - Methods in Geology Credits (4)
- MATH 140 - Introductory Calculus Credits (5)
C Guided Electives

Choose 18 hours of upper level courses from the list below, or course(s) in consultation with your advisor. Courses may not duplicate other degree requirements.

- BIOL 304 - General Ecology Credits (3)
- BIOL 434 - Terrestrial Ecology Credits (4)
- BIOL 435 - Aquatic Ecology Credits (4)
- BIOL 467 - Biostatistics Credits (3)
- BIOL 473 - Microbial Ecology Credits (4)
- BIOL 476 - Contemporary Fisheries Credits (4)
- CHEM 330 - Aquatic Chemistry (Lecture 3, Lab 1) Credits (Lecture 3, Lab 1)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 435 - Instrumental Analysis II Credits (3)
- CHEM 461 - Environmental Chemistry Credits (3)
- ENVH 310 - Water Quality Control Credits (3)
- ENVH 312 - Solid and Hazardous Waste Management Credits (2)
- ENVH 375 - Environmental Toxicology Credits (3)
- ENVH 440 - Air Quality Control Credits (3)
- ENVH 457 - Industrial Hygiene Credits (3)
- ENVH 470 - Principles of Epidemiology Credits (3)
- GEOL 305 - Soils and Hydrology 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 270 - Statistical Methods I Credits (3)
- MATH 370 - Probability and Statistics I Credits (3)
- MATH 375 - Statistical Methods II Credits (3)
- NRM 351 - Forest Ecology Credits (3)
- NRM 371 - Landscape Ecology Credits (3)
- NRM 472 - Geospatial Analysis Credits (4)

D General Electives Hours (9-24 hours)

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/4428.asp to view the 8 semester curriculum guide.

Humanities Program (Interdisciplinary)

86
Total number of hours for the program 120

ACADEMICS
The Humanities Program simplifies the path to a double major. Participating departments have designed curriculums so that students can maximize credits in order to graduate with a double major/dual degree in four years. At present, you can choose from Art History (BA), Broadcasting (BS), Communications (BS), German (BA), English Literature (BA), Motion Picture Studies (BA), Philosophy (BA), Professional Writing (BA), Religion (BA), Spanish (BA), and Theatre (BA). Students can combine any two as long as they are NOT in the same department.

REQUIREMENTS
Students who enroll in the Humanities Program must complete:

- Two special 27-hour majors specifically for Humanities students (for a total of 54 hours)
- At least six hours of a modern foreign language at the sophomore level (MFL 231 and 232 or 240)
- The 42-hour Liberal Studies Program
- Complete one-hour Humanities Seminars in the freshman, sophomore, and junior year for a total of 3 hours
- Fifteen general elective hours at the 300-400 level unless used for 100-200 level course that is a prerequisite in the major
- The above equals the total of 120 hours required for the Humanities Program.

For more information, contact the Humanities Program Director at (828) 227-7646.

The Humanities Program Double Major (120 hours)
Liberal Studies Hours 42
Liberal Studies Program Requirements
Humanities Seminars (3 hours)
- USI 103 - Humanities Colloquium I Humanities in the Region Credits (1)
- USI 203 - Humanities Colloquium II The Humanities in the Nation Credits (1)
- USI 303 - Humanities Colloquium III The Humanities for World Cultures Credits (1)

Modern Foreign Languages (6 hours)
- MFL 231, 232, or 240 Credits 6

General elective courses (15 hours)
300-400 level (unless used for prerequisite class in the major)
Two majors (BA or BS degrees) from the following (27 hours each, for a total of 54 hours)

Art History (BA) (27 hours)

Art History Core (15 hours)
Six hours selected from
- ART 136 - Art History Survey I Credits (3)
- ART 137 - Art History Survey II Credits (3)

Nine hours selected from
- ART 131 - Introductory Drawing Credits (3)
- ART 132 - Two-Dimensional Design Credits (3)
- ART 141 - Life Drawing I Credits (3, R6)
- ART 142 - Three-Dimensional Design Credits (3)

Art History Electives (12 hours)
12 hours selected from 300-400 level art history electives or 9 hours of 300-400 level art history electives and three hours of PAR 310, Philosophy of Art
- ART 367 - History and Philosophy of Art Education Credits (3)
- ART 379 - Cherokee Arts and Crafts Credits (3)
- ART 406 - Renaissance Art 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 420 - Intermedia in Contemporary Culture Credits (3)
- ART 482 - Independent Study in Art History Credits (1-6, R6)
- ART 495 - Art History Seminar Credits (3, R6)

Broadcasting (BS) (27 hours)

Broadcasting Core (18 hours)

One (1) three hour Communication course of student's choice, and

- COMM 254 - Radio Production I Credits (3)
- COMM 255 - Television Production I Credits (3)
- COMM 352 - Writing for Broadcast Credits (3, R6)
- COMM 483 - Internship in Communications Credits (3, R9)
- LAW 406 - Media Law Credits (3)

Elective Broadcasting courses (9 hours selected from)

- COMM 351 - Introduction to Television Studies Credits (3)
- COMM 354 - Radio Production II Credits (3)
- COMM 355 - Television Production 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)
- ENGL 313 - Authoring Multimedia Credits (3, R6)
- MPTP 361 - Intermediate Directing Credits (3)
- COMM 330 - News Reporting I Credits (3)

Communication (BS) (27 hours)

Communication Core (9 hours)

- COMM 345 - Public and Mediated Speaking Credits (3)
- COMM 346 - Communications Ethics and Responsibilities Credits (3)
- COMM 483 - Internship in Communications Credits (3, R9)

Elective Communication courses (18 hours selected from)

- COMM 215 - Organizational Communication Credits (3)
- COMM 260 - Introduction to Public Relations Credits (3)
- COMM 312 - Small Group Communication Credits (3)
- COMM 313 - Conflict Resolution Credits (3)
- COMM 400 - Crisis Communications Credits (3)
- COMM 414 - Gender Communication Credits (3)
• COMM 493 - Selected Topics in Communication Credits (3, R9)
• COMM 415 - Intercultural Communication Credits (3)

German (BA) (27 hours)

German Core (15 hours from the following)
• GER 301 - German for Everyday Use Credits (3)
• GER 304 - Introduction to Business German Culture Credits (3)
• GER 310 - Introduction to German Prose and Poetry Credits (3)
• GER 321 - German Civilization Credits (3)
• GER 331 - Survey of German Literature Credits (3)
• WLL 311 - Introduction to Linguistics Credits (3)

German Electives (12 hours from the following)
• GER 401 - Contrastive Features of German and English Credits (3)
• GER 431 - Studies in German Literature Credits (3, R6)
• GER 451 - Advanced German Grammar Credits (3)
• GER 452 - Advanced German Conversation Credits (3)
• GER 481 - Independent Studies in German Credits (1-3, R6)
• GER 493 - Special Topics in German Credits (1-3, R6)

Literature (BA) (27 hours)

Humanities Literature majors are required to take 27 hours off courses as detailed below. Humanities Literature majors are also strongly encouraged to enroll in ENGL 200 - Introduction to the English Major (Credits 1) as soon as they enroll in the major.

Literature Core (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)

Capstone Course (3 hours)
• ENGL 498 - Senior Seminar in English Credits (3)

Literature and Film Electives
15 hours of 300-400 level Literature and Film courses to be determined by the student and English advisor
• 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 of American 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)
Motion Picture Studies (BA) (27 hours)

Motion Picture Studies Core (15 hours)

- ENGL 278 - Introduction to Film Studies Credits (3)
- ENGL 378 - Motion Picture Histones Credits (3)
- ENGL 394 - Film Adaptation Credits (3, R6)
- ENGL 478 - Film Theory Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)

Interdisciplinary Electives (6 hours)

- ART 420 - Intermedia in Contemporary Culture Credits (3)
- COMM 351 - Introduction to Television Studies Credits (3)
- COMM 255 - Television Production I Credits (3)
- LAW 406 - Media Law Credits (3)
- MPTP 250 - Basic Production Techniques Credits (3)
- MPTP 253 - Introduction to Film Directing Credits (3)
- MPTP 320 - Adapting the Short Story Credits (3)
- MPTP 321 - Scene Writing Credits (3)
- MPTP 406 - Screenwriting II Credits (3)
- MPTP 407 - Screenwriting III Credits (3, R6)
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ENGL 498 - Senior Seminar in English Credits (3)

Philosophy (BA) (27 hours)

Philosophical Foundations of Humanities (Select 9 hours)
- PAR 230 - Legal, Scientific, & Critical Reasoning Credits (3)
- PAR 295 - Self, Society, & the Good Life Credits (3)
- PAR 102 - Western Moral Traditions Credits (3)
  Or
- PAR 101 - Western Philosophical Traditions Credits (3)

Select 9 hours within the History of Philosophy
- PAR 304 - Justice, Power and Human Nature in the Ancient Greek Polis Credits (3)
- PAR 306 - Science, Reason, and Autonomy in the Enlightenment Credits (3)
- PAR 307 - From Existentialism to Feminism Credits (3)
- PAR 308 - From Pragmatism to Postmodernism Credits (3)
- PAR 365 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith Credits (3)
- PAR 404 - Ancient Cynics, Stoics, and Skeptics Credits (3)

Select 6 hours from within Philosophy and Culture
- 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 320 - Philosophical and Religious Classics Credits (3)
- 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 366 - Religion and Science God's Law and the Laws of Nature Credits (3)
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)
- PAR 315 - Philosophy of Mind Credits (3)

Select 3 hours of a seminar in Philosophy
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)

Professional Writing (BA) (27 hours)

Humanities Professional Writing majors are required to take 27 hours of courses as detailed below

Humanities Professional Writing majors are also strongly encouraged to enroll in ENGL 200 - Introduction to the English Major (credits 1) as soon as they enroll in the major

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

Capstone Course (3 hours)
- ENGL 389 - Cooperative Education Professional Writing Credits (1 or 3, R15)
  Or
- ENGL 483 - Writing Internship Credits (3)
Professional Writing Electives (15 hours)

- ENGL 304 - Writing for Electronic Environments Credits (3)
- ENGL 305 - 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 412 - Grammar for Writers Credits (3)
- ENGL 493 - Topics in Creative Writing Credits (1-3, R6)
- MPTP 310 - Introduction to Screenwriting Credits (3)

English Literature and Film Electives (3 hours)

3 additional hours selected either from the prior list of Professional Writing Electives or from the following

- 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 of American 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 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)
ENGL 498 - Senior Seminar in English Credits (3)
MPTP 320 - Adapting the Short Story Credits (3)
MPTP 321 - Scene Writing Credits (3)
MPTP 406 - Screenwriting II Credits (3)
MPTP 407 - Screenwriting III Credits (3, R6)

Religion (BA) (27 hours)
Foundations of the Study of Religion (Select 12 hours)
- PAR 295 - Self, Society, & the Good Life Credits (3)
  And 9 hours from the following courses
- PAR 145 - Eastern Religious Traditions Credits (3)
- PAR 146 - Western Religious Traditions Credits (3)
- PAR 242 - What is Religion? Credits (3)
- PAR 312 - Philosophy of Religion Credits (3)
Select any 6 hours from the category of Religion and Critical Thought
- PAR 307 - From Existentialism to Feminism Credits (3)
- PAR 308 - From Pragmatism to Postmodernism Credits (3)
- PAR 312 - Philosophy of Religion Credits (3)
- PAR 320 - Philosophical and Religious Classics Credits (3)
- PAR 323 - Mysticism and the Modern Mind 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 355 - Contemporary Religious Classics Credits (3)
- PAR 365 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith Credits (3)
- PAR 366 - Religion and Science God's Law and the Laws of Nature Credits (3)
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)
Select any 6 hours from the category of Religion and Culture
- ANTH 365 - Religion, Magic, Myth Credits (3)
- ENGL 290 - Literature and the Sacred Credits (3)

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ENGL 350 - The Renaissance Credits (3)
ENGL 390 - The Bible as Literature Credits (3)
ENGL 420 - Chaucer and His Age Credits (3)
ENGL 440 - Milton and His Age Credits (3)
HIST 375 - Middle East since Mohammed Credits (3)
HIST 455 - American Religious History Credits (3)
PAR 260 - Women and Religion Credits (3)
PAR 367 - Native American Religions Credits (3)
PAR 250 - Origins of Early Christian Traditions Credits (3)
PAR 251 - Understanding Islamic Traditions Credits (3)

Select 3 hours from the following
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)

Spanish (BA) (27 hours)
Language and Culture courses (6 hours)
- SPAN 301 - Spanish Conversation & Composition Credits (3)
- SPAN 302 - Topics of the Hispanic World II Credits (3)
Civilization and Culture courses (6 hours)
- SPAN 321 - Hispanic Culture Credits (3)
- SPAN 322 - Spanish-American Civilization Credits (3)

Select 6 hours from Spanish Literature Courses
- SPAN 310 - Introduction to Spanish Prose and Poetry Credits (3)
- SPAN 330 - Masterpieces of Spanish Peninsular Literature Credits (3)
- SPAN 333 - South American Literature in Spanish Credits (3)
- SPAN 431 - Studies in Spanish Peninsular Literature Credits (3, R6)
- SPAN 432 - Studies in Spanish-American Literature Credits (3, R6)

Select 9 hours from the following electives
- SPAN 401 - Contrastive Features of Spanish and English Credits (3)
- SPAN 451 - Advanced Spanish Grammar Credits (3)
- SPAN 452 - Advanced Spanish Conversation Credits (3)

Theatre (BA), (27 hours)
Theatre Core (12 hours)
- THEA 140 - Acting I Credits (3)
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) Credits (3)
- THEA 240 - Voice and Articulation Credits (3)
- THEA 332 - Introduction to Design for Stage and Screen Credits (3)

Elective Theatre courses (15 hours selected from)
- THEA 130 - Makeup Credits (1)
- THEA 131 - Introduction to Professions Credits (3)
- THEA 170 - Theatre Production Seminar Credits (1, R4)
- THEA 270 - Theatre Arts Workshops I Credits (1-3, R6)
- 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 341 - Acting III Credits (3)
- THEA 345 - Acting for the Camera I Credits (3)
- THEA 346 - Acting for the Camera II Credits (3)
- THEA 350 - Directing I Credits (3)
- THEA 351 - Directing II Credits (3)
- THEA 400 - History of the Theatre I Credits (3)
- THEA 401 - History of the Theatre II Credits (3)
- THEA 438 - Period Styles Credits (3)
- THEA 483 - Internship in Theatre Arts Credits (3, R9)
- THEA 496 - Seminar in Professional Development Credits (1)

Additional Information
Visit the College of Arts and Sciences website at http://www.wcu.edu/5503.asp for more information

International Studies (Interdisciplinary), B.A.

Total number of hours for this program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements
The major requires 30 hours

Modern Foreign Languages (12 hours)
MFL 231-232 or 240 (6 hours) in the same language and MFL 101-102 in a second language
Or
MFL 231-232 or 240 (6 hours) and 6 hours of MFL at the 300 level in the same language

Introductory Course (3 hours)
- PSC 110 - Global Issues Credits (3)

Core Competencies (9 hours required)

Politics (select one)
- PSC 241 - International Politics Credits (3) or
- HIST 317 - History of Twentieth-Century International Relations Credits (3) or
- GEOG 444 - Political Geography Credits (3)

Culture (select one)
- ANTH 327 - Economy and Society Credits (3) or
- GEOG 440 - Regional Geography Credits (3, R12) or
- SOC 434 - Regional and Societal Development Credits (3)

Globalization (select one)
- GEOG 350 - Economic Geography Credits (3) or
- HIST 335 - History of Capitalism Credits (3) or
- PSC 436 - Dynamics of World Order Credits (3)

Guided Electives (6 hours) selected from

Politics
- HIST 323 - British History Since 1603 Credits (3)
- HIST 327 - Modern Russia Credits (3)
- HIST 330 - Modern Germany 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)
- PSC 215 - European Political Systems Credits (3)
- PSC 216 - Politics of Developing Areas Credits (3)
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 317 - Politics of East Asia Credits (3)
- PSC 334 - United States Foreign Policy Credits (3)

**Culture**

- ANTH 465 - Cultures of Latin America Credits (3)
- ANTH 477 - Cultures of Sub-Saharan Africa Credits (3)
- ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature Credits (3)
- ENGL 496 - Seminar in World Literature Credits (3)
- HIST 361 - Latin American History I Credits (3)
- HIST 362 - Latin American History II Credits (3)
- HIST 375 - Middle East since Mohammed Credits (3)
- PAR 251 - Understanding Islamic Traditions Credits (3)
- PAR 355 - Contemporary Religious Classics Credits (3)
- SPAN 321 - Hispanic Culture Credits (3)
- SPAN 322 - Spanish-American Civilization Credits (3)

**Globalization**

- COMM 415 - Intercultural Communication Credits (3)
- HIST 317 - History of Twentieth-Century International Relations Credits (3)
- HIST 373 - Modern Asia Credits (3)
- HIST 411 - Western Imperialism, 1500 to the Present Credits (3)
- PSC 242 - International Organization Credits (3)
- PSC 335 - Problems in World Politics Credits (3)

Students majoring in a discipline that contributes courses to this major may take a maximum of 6 hours that would count toward satisfying both majors.

**Additional Requirements**

To complete the program (48 hours) a second major is required including 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.

**Minor**

**American Studies (Interdisciplinary), Minor**

Total number of hours for the program 18
The minor requires 18 hours, including

- ENGL 241 - Formalism & American Literature Credits (3)

American Literature Courses
Two junior-senior level American literature courses selected from:

- ENGL 459 - Southern Literature Credits (3)
- ENGL 465 - Topics in African American Literature Credits (3)
- ENGL 366 - Literature of American Immigration Credits (3)
- ENGL 367 - Appalachian Literature Credits (3)
- ENGL 463 - Contemporary Literature Credits (3)
- ENGL 464 - Native American Literature Credits (3)
- ENGL 475 - Modernism Credits (3)
- ENGL 479 - Studies in Literature Credits (3, R6)
  Or
- ENGL 480 - Studies in English Credits (1-3, R6)

Additional Courses

9 hours from other course offerings with a focus on the American landscape, life, history or culture, including:

Courses which have prerequisites:

- ANTH 417 - Southern Appalachian Culture Credits (3)
- ANTH 431 - North American Prehistory Credits (3)
- ANTH 461 - Indians of North America Credits (3)
- ANTH 473 - Contemporary Cherokee Culture and Society Credits (3)
- ART 414 - American Art Credits (3)
- ASI 493 - Topics in American Studies Credits (3, R6)
- ASI 494 - Topics in Cherokee Studies Credits (3, R6)
- BIOL 251 - Natural History of the Southern Appalachians Credits (4)
- BIOL 425 - Flora of the Southern Appalachians Credits (4)
- GEOG 400 - Natural Regions of North America Credits (3)

Courses available to all majors:

- HIST 231 - American History to 1865 Credits (3)
- HIST 232 - American History Since 1865 Credits (3)
- HIST 341 - North Carolina History Credits (3)
- HIST 432 - The Revolutionary Era, 1763-1800 Credits (3)
- HIST 433 - The Young Republic, 1800-1848 Credits (3)
- HIST 434 - Civil War and Reconstruction, 1848-1877 Credits (3)
- HIST 435 - Emergence of Industrial America, 1877-1929 Credits (3)
- HIST 436 - The United States Since 1929 Credits (3)
- HIST 442 - African American History Credits (3)
- HIST 443 - The American South Credits (3)
- HIST 445 - Cherokee History Credits (3)
- HIST 446 - Southern Appalachian History Credits (3)
- HIST 451 - American Women's History Credits (3)
- PAR 330 - America's Wilderness Ethics and Aesthetics Credits (3)
- PSC 302 - Problems and Policies of American Government Credits (3)
- PSC 305 - Congress Credits (3)
- PSC 306 - American Presidency Credits (3)
The minor requires 21 hours, including
- ASI 250 - Introduction to Appalachian Studies Credits (3)
- ASI 450 - Appalachian Studies Seminar Credits (3)

Electives
15 hours of electives from
- ANTH 417 - Southern Appalachian Culture Credits (3)
- ANTH 473 - Contemporary Cherokee Culture and Society Credits (3)
- BIOL 251 - Natural History of the Southern Appalachians Credits (4)
- ENGL 367 - Appalachian Literature Credits (3)
- GEOG 441 - Geography of Appalachia Credits (3)
- HIST 445 - Cherokee History Credits (3)
- HIST 446 - Southern Appalachian History Credits (3)
- HIST 472 - Local History and Genealogy Credits (3)

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 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)

The minor requires 18 hours, including either
Either
- PSC 110 - Global Issues Credits (3)
Or
- PSC 241 - International Politics Credits (3)

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 Sub-Saharan Africa 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 322 - British History to 1603 Credits (3)
- HIST 323 - British History Since 1603 Credits (3)
- HIST 327 - Modern Russia 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 413 - Europe in the Eighteenth Century Credits (3)
- HIST 414 - Europe in the Nineteenth Century Credits (3)
- HIST 416 - Europe in the Twentieth Century Credits (3)
- HIST 425 - Modern European Military History Credits (3)
- HIST 463 - History of the Mexican Nation Credits (3)
- PSC 215 - European Political Systems Credits (3)
- PSC 216 - Politics of Developing Areas Credits (3)
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 241 - International Politics Credits (3)
- PSC 242 - International Organization Credits (3)
- PSC 317 - Politics of East Asia Credits (3)
- PSC 333 - International Law Credits (3)
- PSC 334 - United States Foreign Policy Credits (3)
- PSC 335 - Problems in World Politics Credits (3)
- PSC 415 - Contemporary British Politics Credits (3)
- PSC 416 - British Legal Studies Credits (3-6, R6)
- PSC 436 - Dynamics of World Order Credits (3)
- SOC 255 - Population Dynamics Credits (3)
- SOC 434 - Regional and Societal Development Credits (3)

Additional Information
Contact the Political Science Department for further information at 828-227-7475

Multi-Media (Interdisciplinary), Minor

Total number of hours for the program 18
The minor will consist of 18 hours with nine hours of core courses and nine hours of elective courses. Students will take one course in each of the three core areas:

**Visual**
- Choose from
  - ART 420 - Intermedia in Contemporary Culture Credits (3)
  - ENGL 313 - Authoring Multimedia Credits (3, R6)

**Audio**
- MUS 383 - Music and Audio in Media Credits (3)

**Textual**
- Choose
  - COMM 404 - Desktop Publishing Credits (3, R6)
  - ENGL 304 - Writing for Electronic Environments Credits (3)

### Additional Requirements

The remaining nine hours will be selected from other core courses and these additional courses involving multimedia history and technology:

- EDCD 372
- EDEL 466
- EDEL 472
- ART 479 - Motion Graphics II Credits (3, R6)
- ECET 301 - Electrical Systems Credits (3)
- ECET 302 - Instrumentation and Controls Credits (3)
- ENGL 305 - Technical Writing Credits (3)
- ENGL 307 - Professional Editing and Publishing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- MUS 181 - Introduction to MIDI/Synthesis Credits (1)
- MUS 283 - Music Technology Methods Credits (1)

**Race, Ethnic, and Gender Relations (Interdisciplinary), Minor**

The minor requires 24 hours, including:

- SOC 103 - Human Society Credits (3)
- SOC 245 - Social Inequality Credits (3)
- SOC 326 - Gender Roles and Society Credits (3)
- SOC 414 - Minority Groups Credits 3

### Electives

12 hours of core electives from:

- ANTH 417 - Southern Appalachian Culture Credits (3)
- ANTH 473 - Contemporary Cherokee Culture and Society Credits (3)
- HIST 442 - African American History Credits (3)
- HIST 445 - Cherokee History Credits (3)
- HIST 446 - Southern Appalachian History Credits (3)
- HIST 451 - American Women's History Credits (3)
- HIST 463 - History of the Mexican Nation Credits (3)
Social Change (Interdisciplinary), Minor

Total number of hours for the program 24
The minor requires 24 hours, including
- SOC 103 - Human Society Credits (3)
- SOC 240 - Social Change Credits (3)

Electives
18 hours of core electives from
- ECON 401
- PSC 203
- PSC 316
- SOCW 373
- ANTH 349 - Applied Anthropology Credits (3)
- ECON 406 - International Economic Development Credits (3)
- GEOG 460 - Urban and Regional Land Use Planning Credits (3)
- HIST 435 - Emergence of Industrial America, 1877-1929 Credits (3)
- HIST 436 - The United States Since 1929 Credits (3)
- PSC 436 - Dynamics of World Order Credits (3)
- SOC 360 - Sociology of Conflict and Conflict Resolution Credits (3)
- SOC 432 - Community Organization and Development Credits (3)
- SOC 434 - Regional and Societal Development Credits (3)
- SOC 448 - Social Movements Credits (3)

Women's Studies (Interdisciplinary), Minor

Total number of hours for the major 18
The minor requires 18 hours, including
- ASI 230 - Introduction to Women's Studies Credits (3)
- ENGL 477 - Literature and Gender Credits (3)
- HIST 451 - American Women's History Credits (3)
- SOC 326 - Gender Roles and Society Credits (3)

Electives
Electives from
- ANTH 419 - Comparative Family Credits (3)
- COMM 414 - Gender Communication Credits (3)
- LAW 306 - Women and the Law Credits (3)
- NSG 360 - Health Care of Women Credits (2)
- PSC 351 - Gender in Politics Credits (3)

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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)

**Major**

**Anthropology (Forensic Anthropology Concentration), B S**

Total number of hours for the program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

The major requires 42 hours as follows: Core (9 hours), Concentration (12), Electives (21)

Core Hours 9

- ANTH 250 - Archaeology and Bioanthropology Credits (3)
- ANTH 260 - Cultural and Social Anthropology Credits (3)
- ANTH 341 - History of Anthropological Theory Credits (3)

Concentration Hours 12
ANTH 251 - Introduction to Forensic Anthropology Credits (3)
ANTH 364 - Human Osteology Credits (3)
ANTH 400 - Advanced Topics in Human Osteology Credits (3)
ANTH 401 - Osteopathology Credits (3)

Electives
(21 hours) selected from junior and senior level anthropology courses

Additional Requirements
To complete the program, 36 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.

Visit the department's website at http://www.wcu.edu/3403.asp to view the 8 semester curriculum guide.

Anthropology, B.A.

Total number of hours for the program 120
Liberal Studies Hours 42

Major Requirements
The major requires 42 hours as follows

- MFL 231-232 or 240 Credits (6)
- ANTH 250 - Archaeology and Bioanthropology Credits (3)
- ANTH 260 - Cultural and Social Anthropology Credits (3)
- ANTH 341 - History of Anthropological Theory Credits (3)

Electives
Electives (27 hours) selected from junior and senior level anthropology courses

Additional Requirements
To complete the program, 36 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.

Visit the department's website at http://www.wcu.edu/3390.asp to view the 8 semester curriculum guide.

Anthropology, B.S.

Total number of hours for the program 120
All the requirements for the degree are the same as those listed previously for the bachelor of arts degree, except that a foreign language is not required and junior/senior anthropology electives are increased by 6 hours.

Visit the department's website at http://www.wcu.edu/3390.asp to view the 8 semester curriculum guide.

Sociology, B.A.

Total number of hours for program 120
Liberal Studies Hours 42

Liberal Studies Program Requirements

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.

Visit the department's website at http://www.wcu.edu/3404.asp to view the 8 semester curriculum guide.

**Sociology, B.S.**

Total number of hours for the program: 120

Liberal Studies Hours: 42

Liberal Studies Program Requirements

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 http://www.wcu.edu/3390.asp to view the 8 semester curriculum guide.

**Minor**

**Anthropology, Minor**

Total number of hours for the program: 21

The minor requires 21 hours, including:

- ANTH 250 - Archaeology and Bioanthropology Credits (3)
- ANTH 260 - Cultural and Social Anthropology Credits (3)

Additional Requirements

15 hours of junior-senior level anthropology courses.

**Forensic Anthropology, Minor**

Total number of hours for the program: 21

The minor requires 21 hours, including:

- ANTH 250 - Archaeology and Bioanthropology Credits (3)
- ANTH 251 - Introduction to Forensic Anthropology Credits (3)
- ANTH 260 - Cultural and Social Anthropology Credits (3)
- ANTH 364 - Human Osteology Credits (3)
- ANTH 400 - Advanced Topics in Human Osteology Credits (3)

Additional Requirements
6 hours of junior-senior level anthropology courses

Sociology, Minor

Total number of hours for the program 21
The minor requires 21 hours, including
- SOC 103 - Human Society Credits (3)

Additional Requirements
18 hours of sophomore, junior, or senior level sociology courses

Biology

Seán O'Connell, department head
Tom Martin, associate department head

Major

Biology, B S

Total number of hours for the Program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
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 - Advanced General Chemistry Credits (4)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- 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
- One elective from the Organismal Biology set
- One elective from the Cell and Molecular Biology set
- Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours

General Biology
- BIOL 304 - General Ecology Credits (3)
- BIOL 306 - Evolutionary Biology Credits (3)
- BIOL 333 - Cell and Molecular Biology Credits (4)

Guided Electives (15 hours)
May include two non-biology courses
- One elective from the Ecology and Evolution set
- One elective from the Organismal Biology set
- One elective from the Cell and Molecular Biology set
- Electives chosen from any course set sufficient to bring the total for the concentration to 25 hours

Molecular Biology
- BIOL 333 - Cell and Molecular Biology Credits (4)
- BIOL 361 - Principles of Biochemistry Credits (3)
- BIOL 413 - Principles of General Microbiology 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 311 - Animal Physiology Credits (3)
- BIOL 333 - Cell and Molecular Biology Credits (4)
- BIOL 361 - Principles of Biochemistry 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

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Cell and Molecular Biology Elective Set
- BIOL 313 - Microbiology in Health and Nutrition Credits (3)
- 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 (3)
- 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)
- 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 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 305 - Soils and Hydrology Credits (4)
- NRM 371 - Landscape Ecology Credits (3)
- NRM 442 - Natural Resources Policy and Administration Credits (3)

Organismal Biology Elective
- BIOL 311 - Animal Physiology Credits (3)
- BIOL 373 - Invertebrate Zoology Credits (4)
- BIOL 374 - Vertebrate Zoology Credits (4)
- 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)

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)
• GEOG 321 - Geographic Information Systems Credits (3)
• MATH 370 - Probability and Statistics I Credits (3)
• MATH 375 - Statistical Methods II Credits (3)
• NRM 344 - Introduction to Geographic Information Systems Credits (4)
• PAR 311 - Philosophy of Science Credits (3)
• 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)

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)

Liberal Studies Hours 42

Liberal Studies Program Requirements

Professional Education Sequence (23 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
• EDSE 322 - Principles and Methods of Teaching Credits (2)
• 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 1583 - Calculus | 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 - Advanced General Chemistry 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

Minor

Biology, Minor

Total number of hours for the program 23
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 and Physics

Cynthia Atterholt, department head
B Bintz, D Butcher, K Butcher, J Clement, C R De Silvs, B Dunkelmeyer, K Dunkelmeyer, D D Evanoff, E Gomez, P Heckert, C Huffman, S Huffman, W R Kwochka, C Marth, M Rave, A Salido, J Summers, M W Van Dyke, M R Wilson, M Woldeyohannes

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.
Major

Chemistry (ACS Approved Concentration), B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 48 hours in Chemistry as follows
- CHEM 140 - Advanced General Chemistry Credits (4)
- CHEM 232 - Quantitative Analysis Credits (3)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- CHEM 352 - Physical Chemistry Credits (3)
- CHEM 361 - Principles of Biochemistry Credits (3)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 371 - Chemical Dynamics Credits (2)
- CHEM 495 - Seminar in Chemistry Credits (1, R4)
- MATH 153 - Calculus I Credits (4)
- MATH 255 - Calculus II Credits (4)
- PHYS 230 - General Physics I Credits (4)
- PHYS 231 - General Physics II Credits (3-4)

ACS Approved Chemistry Concentration
The concentration requires 15 hours as follows
- 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 II Credits (3)
- CHEM 472 - Chemical Syntheses Credits (2)

Electives
General electives (24 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.
Visit the department's website at http://www.wcu.edu/4409.asp to view the 8 semester curriculum guide.

Chemistry (Biotechnology Concentration), B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 41 hours in Chemistry as follows
- CHEM 140 - Advanced General Chemistry Credits (4)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 232</td>
<td>Quantitative Analysis Credits</td>
<td>(3)</td>
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<tr>
<td>CHEM 241</td>
<td>Organic Chemistry I Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 242</td>
<td>Organic Chemistry II Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 272</td>
<td>Organic Chemistry Lab Credits</td>
<td>(2)</td>
</tr>
<tr>
<td>CHEM 352</td>
<td>Physical Chemistry I Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 361</td>
<td>Principles of Biochemistry Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 370</td>
<td>Instrumental Analysis I Credits</td>
<td>(4)</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Chemical Dynamics Credits</td>
<td>(2)</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Seminar in Chemistry Credits</td>
<td>(1, R4)</td>
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<tr>
<td>MATH 140</td>
<td>Introductory Calculus Credits</td>
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<td>PHYS 130</td>
<td>Introductory Physics I Credits</td>
<td>(4)</td>
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<td>PHYS 131</td>
<td>Introductory Physics II Credits</td>
<td>(4)</td>
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<tr>
<td>PHYS 230</td>
<td>General Physics I Credits</td>
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<tr>
<td>PHYS 231</td>
<td>General Physics II Credits</td>
<td>(3-4)</td>
</tr>
</tbody>
</table>

**Biotechnology Concentration**

**Concentration Requirements**

The concentration requires 12 hours as follows

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 140</td>
<td>Principles of Biology I Credits</td>
<td>(4)</td>
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<tr>
<td>BIOL 141</td>
<td>Principles of Biology II Credits</td>
<td>(4)</td>
</tr>
<tr>
<td>BIOL 333</td>
<td>Cell and Molecular Biology Credits</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**Additional Requirements**

The concentration requires 9 hours selected from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 435</td>
<td>Instrumental Analysis II Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 462</td>
<td>Molecular Bioinformatics Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 463</td>
<td>Molecular Biotechnology Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 464</td>
<td>Genomics Credits</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**General Electives**

General electives (16-25 hours) are required to complete the program depending on the number of hours taken 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.

Visit the department’s website at [http://www.wcu.edu/4409.asp](http://www.wcu.edu/4409.asp) to view the 8 semester curriculum guide.

**Chemistry (Environmental Chemistry Concentration), B S**

Total number of hours for the program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements

**Major Requirements**

The major requires 44 hours in Chemistry as follows

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 140</td>
<td>Advanced General Chemistry Credits</td>
<td>(4)</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Quantitative Analysis Credits</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Organic Chemistry I Credits</td>
<td>(3)</td>
</tr>
</tbody>
</table>
• CHEM 242 - Organic Chemistry II Credits (3)
• CHEM 272 - Organic Chemistry Lab Credits (2)
• CHEM 352 - Physical Chemistry I Credits (3)
• CHEM 361 - Principles of Biochemistry Credits (3)
• CHEM 370 - Instrumental Analysis I Credits (4)
• CHEM 371 - Chemical Dynamics Credits (2)
• CHEM 495 - Seminar in Chemistry Credits (I, R4)
• MATH 140 - Introductory Calculus Credits (5)
• MATH 270 - Statistical Methods I Credits (3)
• PHYS 130 - Introductory Physics I Credits (4)
• PHYS 131 - Introductory Physics II Credits (4)
• PHYS 230 - General Physics I Credits (4)
• PHYS 231 - General Physics II Credits (3-4)

Environmental Chemistry Concentration
Concentration Requirements
The concentration requires 25 hours as follows
• BIOL 140 - Principles of Biology I Credits (4)
• CHEM 330 - Aquatic Chemistry (Lecture 3, Lab 1) Credits (Lecture 3, Lab 1) (3 credit hours - Chemistry majors do not take CHEM 330 Lab)
• CHEM 461 - Environmental Chemistry Credits (3)
• GEOL 150 - Methods in Geology Credits (4)

Electives
Electives (11 hours) at the junior-senior level chosen from a minimum of two of the following areas
CHEM, BIOL, GEOL, ECON, ENVH, & NRM

General Electives
General electives (9-18 hours) are required to complete the program depending on the number of hours taken 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.

Visit the department's website at http://www.wcu.edu/4409.asp to view the 8 semester curriculum guide.

Chemistry (Four Plus One Concentration), B S

Total number of hours for program 120
Liberal Studies Hours 42

Liberal Studies Program Requirements
Major Requirements
The major in chemistry requires 28 hours in Chemistry as follows
• CHEM 140 - Advanced General Chemistry Credits (4)
• CHEM 232 - Quantitative Analysis Credits (3)
• CHEM 241 - Organic Chemistry I Credits (3)
• CHEM 242 - Organic Chemistry II Credits (3)
• CHEM 272 - Organic Chemistry Lab Credits (2)
• CHEM 352 - Physical Chemistry I Credits (3)
The concentration requires 34 hours as follows:

- CHEM 380 - Research in Chemistry Credits (1-3, R12) (6 hours required)
- MATH 153 - Calculus I Credits (4)
- MATH 255 - Calculus II Credits (4)
- PHYS 230 - General Physics I Credits (4)
- PHYS 231 - General Physics II Credits (3-4) (4 hours required)

Guided Electives

12 hours of Chemistry electives selected from:

- CHEM 535 - Instrumental Analysis II Credits (3)
- CHEM 541 - Advanced Organic Chemistry Credits (3)
- CHEM 542 - Introduction to Organic Polymers Credits (3)
- CHEM 553 - Physical Chemistry II Credits (3)
- CHEM 554 - Computer Interfacing Credits (3)
- CHEM 561 - Environmental Chemistry Credits (3)
- CHEM 562 - Molecular Bioinformatics Credits (3)
- CHEM 593 - Topics in Chemistry Credits (1-3, R6)

General Electives

General electives (16-25 hours) depending on the number of hours taken in the major that double count for Liberal Studies, including at least 2 hours at the junior-senior level, are required to complete the program.

The Four Plus One degree program in Chemistry allows an outstanding student to complete the requirements for both B.S. and M.S. degrees in a period of 5 years. Students are expected to meet all of the requirements of the M.S. program. These include a minimum of 30 semester hours of graduate study, including a thesis and an oral defense of the thesis. Once a student has completed the B.S. degree, he/she formally applies to the graduate school. Students begin research while earning the B.S. degree. Up to 12 credit hours of 500+ course work taken in the undergraduate program can count toward M.S. degree requirements. All grades, even those below a B taken at the 500+ level will count toward both the graduate and undergraduate GPA. All graduate degree program rules apply to all courses taken for the graduate program, including the 500 level courses taken as an undergraduate student.

Students applying for the 4+1 B.S. program in Chemistry must meet the following guidelines:

- A minimum cumulative GPA and GPA in the chemistry major of 3.00 at WCU.
- Completed a minimum of seventy-five (75) and a maximum of ninety-six (96) credit hours in their undergraduate programs, including graduate courses taken as an undergraduate.
- Completed at least three sections of CHEM 380-Research before completing the B.S. degree.

Applicants must be approved by the Graduate School, Department Head, Departmental Graduate Program Director, and the Thesis advisor. After the student receives the B.S. degree, meets and completes admission requirements, he or she may be officially admitted into the M.S. degree program depending on GRE scores. After admission to the master's program, the 500+ courses in which the student completed (and made a grade of C or better) during the B.S. will be applied toward the requirements of the M.S. degree. These courses also count toward the 128 hours needed for the B.S. degree.
Students need to be aware that making 3 Cs or below automatically dismisses them from the Graduate degree program of study—the courses taken at the undergraduate level in anticipation of counting in the MS program also apply to this rule. Visit the department’s website at http://www.wcu.edu/4409.asp to view the semester curriculum guide.

Chemistry (Industrial Chemistry Concentration), B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 41 hours in Chemistry as follows

- CHEM 140 - Advanced General Chemistry Credits (4)
- CHEM 232 - Quantitative Analysis Credits (3)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- CHEM 352 - Physical Chemistry I Credits (3)
- CHEM 361 - Principles of Biochemistry Credits (3)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 371 - Chemical Dynamics Credits (2)
- CHEM 495 - Seminar in Chemistry Credits (1, R4)
- MATH 140 - Introductory Calculus Credits (5)
- 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 (3-4)

Concentration Requirements
The concentration requires 21 hours

- CHEM 411 - Industrial Chemistry Credits (3)
as well as 18 hours selected from the following, of which must be junior/senior level

- ACCT 251 - Financial Accounting - A User Perspective Credits (3)
- ACCT 252 - Using Accounting Information for Management Decisions Credits (3)
- COMM 215 - Organizational Communication Credits (3)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- ECON 232 - Introductory Macroeconomics and Social Issues Credits (3)
- ENGL 305 - Technical Writing 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)
- MKT 201 - Marketing Planning and Strategy Credits (3)
General Electives

General electives (16 hours) are required to complete the program depending on the number of hours taken in the major that also count in 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/4409.asp to view the 8 semester curriculum guide.

Chemistry (Premedical/Preveterinary/Predental/Preoptometry Concentration), B.S.

Total number of hours for the program: 120
Liberal Studies Hours: 42
Liberal Studies Program Requirements:

Major Requirements

The major requires 40 hours in Chemistry as follows:

- CHEM 140 - Advanced General Chemistry Credits (4)
- CHEM 232 - Quantitative Analysis Credits (3)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- CHEM 352 - Physical Chemistry I Credits (3)
- CHEM 361 - Principles of Biochemistry Credits (3)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 371 - Chemical Dynamics Credits (2)
- CHEM 495 - Seminar in Chemistry Credits (1, R4)
- 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 (3-4)

Premedical/Preveterinary/Predental/Preoptometry Chemistry Concentration

Concentration Requirements:

The concentration requires 14 hours as follows:

- BIOL 140 - Principles of Biology I Credits (4)
- BIOL 141 - Principles of Biology II Credits (4)

and 6 hours selected from the following:

- BIOL 311 - Animal Physiology Credits (3)
- BIOL 333 - Cell and Molecular Biology Credits (4)
- BIOL 413 - Principles of General Microbiology Credits (3)
- BIOL 414 - Methods of General Microbiology Credits (2)

General Electives

General electives (24-33 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 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.
Chemistry (Traditional Chemistry Concentration), B.S

Total number of hours for the program 120
Liberal Studies Hours 42

Major Requirements
The major requires 44 hours in Chemistry as follows:

- CHEM 140 - Advanced General Chemistry Credits (4)
- CHEM 232 - Quantitative Analysis Credits (3)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- CHEM 352 - Physical Chemistry I Credits (3)
- CHEM 361 - Principles of Biochemistry Credits (3)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 371 - Chemical Dynamics Credits (2)
- CHEM 495 - Seminar in Chemistry Credits (1, R4)
- MATH 153 - Calculus I Credits (4)
- MATH 255 - Calculus II Credits (4)
- PHYS 230 - General Physics I Credits (4)
- PHYS 231 - General Physics II Credits (3-4)

Traditional Chemistry Concentration
Concentration Requirements
The concentration requires 12 hours as follows:

- CHEM 321 - Inorganic Chemistry Credits (3)
- CHEM 435 - Instrumental Analysis II Credits (3)
- CHEM 453 - Physical Chemistry II Credits (3)
- CHEM 472 - Chemical Syntheses Credits (2)

General Electives
General electives (32 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/4409.asp to view the 8 semester curriculum guide.

Chemistry, B.A.

Total number of hours for program 120
Liberal Studies Hours 42

Major Requirements
The major requires 50 hours as follows:

- MFL 231-232 or 240 Credits (6)
Electives
CHEM 140 - Advanced General Chemistry Credits (4)
CHEM 232 - Quantitative Analysis Credits (3)
CHEM 241 - Organic Chemistry I Credits (3)
CHEM 242 - Organic Chemistry II Credits (3)
CHEM 272 - Organic Chemistry Lab Credits (2)
CHEM 352 - Physical Chemistry I Credits (3)
CHEM 361 - Principles of Biochemistry Credits (3)
CHEM 370 - Instrumental Analysis I Credits (4)
CHEM 371 - Chemical Dynamics Credits (2)
CHEM 495 - Seminar in Chemistry Credits (I, R4)
MATH 140 - Introductory Calculus Credits (5)
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 (3-4)

Chemistry electives (3 hours) at the junior-senior level

Additional Requirements
A minor, second major, or other approved program and general electives (28-40 hours depending on the number of hours in the major that also count for Liberal Studies), including at least 14 hours at the junior-senior level, are required to complete the program.

Premedical, Preveterinary, and Predental Students Option
Premedical, preveterinary, and predental students may complete the program by taking

- 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)

7 Hours Selected From
- BIOL 291 - Human Anatomy and Physiology I Credits (4)
- BIOL 292 - Human Anatomy and Physiology II Credits (4)
- BIOL 311 - Animal Physiology Credits (3)
- BIOL 313 - Microbiology in Health and Nutrition Credits (3)
- BIOL 374 - Vertebrate Zoology Credits (4)
- BIOL 413 - Principles of General Microbiology Credits (3)
- BIOL 414 - Methods of General Microbiology Credits (2)
- BIOL 417 - Biochemistry Credits (3)
and 5-17 hours of general electives depending on the number of hours in the major that also count for Liberal Studies

Additional Information
Visit the department's website at http://www.wcu.edu/4409.asp to view the 8 semester curriculum guide.

Forensic Science (Interdisciplinary), B.S
Total number of hours for the program 126

**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://www.wcu.edu/4429.asp](http://www.wcu.edu/4429.asp)

**Pre-Forensic Science Core Coursework** All students wishing to apply to the Forensic Science Program must have completed a core set of science courses. This coursework includes BIOL 140 and 141, 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.

**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, 84 hours as follows**

**Core Science Courses (34 hours)**
- 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 - Advanced General Chemistry Credits (4)
- CHEM 241 - Organic Chemistry I Credits (3)
- 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 (28 Hours)**
- CJ 323 - Crime Scene Investigations Credits (3)
- CHEM 232 - Quantitative Analysis Credits (3)
CHEM 242 - Organic Chemistry II Credits (3)
CHEM 272 - Organic Chemistry Lab Credits (2)
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)
FS 380 - Research in Forensic Science Credits (3, R15)
or
FS 389 - Cooperative Education in Forensic Science Credits (3)
BIOL 422 - Forensic Biology Credits (4)
or
CHEM 465 - Forensic Chemistry Credits (4)

One concentration selected from Biology or Chemistry

Biology Concentration (16 hours selected from)
- BIOL 240 - Introduction to Genetics Credits (4)
- BIOL 333 - Cell and Molecular Biology Credits (4)
- CHEM 462 - Molecular Bioinformatics Credits (3)
- CHEM 464 - Genomics Credits (3)
- BIOL 361 - Principles of Biochemistry Credits (3)
or
- CHEM 361 - Principles of Biochemistry Credits (3)

Chemistry Concentration (16 hours selected from)
- CHEM 321 - Inorganic Chemistry Credits (3)
- CHEM 370 - Instrumental Analysis I Credits (4)
- CHEM 435 - Instrumental Analysis II Credits (3)
- CHEM 441 - Advanced Organic Chemistry Credits (3)
- BIOL 361 - Principles of Biochemistry Credits (3)
or
- CHEM 361 - Principles of Biochemistry Credits (3)
- CHEM 352 - Physical Chemistry I Credits (3)

Guided Electives
6-15 hours (depending on the number of major courses that also count in Liberal Studies Requirements)
- ANTH 364 - Human Osteology Credits (3)
- ANTH 400 - Advanced Topics in Human Osteology Credits (3)
- ANTH 401 - Osteopathology Credits (3)
- PSY 370 - Psychology and Law Credits (3)
- PSY 470 - Abnormal Psychology Credits (3)

Additional Requirements
Students must take at least 32 hours at the junior-senior level at WCU to satisfy general university degree requirements
- Students applying to the Forensic Science Program will be expected to pass a comprehensive examination in the areas of general chemistry, organic chemistry, general biology, general physics and mathematics through calculus with a score of 70% or better. This exam may be attempted as early as the second semester of the students' freshman year. The student must also maintain a minimum GPA of 2.75 in the major courses. Additionally, an essay must be submitted that describes career goals in forensic science.
or a related area. Finally, the student 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.

- Visit the department’s website at http://www.wcu.edu/4429.asp to view the 8 semester curriculum guide.

Science Education (Concentration in Chemistry), B S ED.

Total number of hours for the program 128
(9 credits taken in the major may also fulfill requirements in Liberal Studies)
Liberal Studies Hours 42
Liberal Studies Program Requirements

Professional Education Sequence (23 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- 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 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 - Advanced General Chemistry 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 (3-4)
- CHEM 232 - Quantitative Analysis Credits (3)
- CHEM 241 - Organic Chemistry I Credits (3)
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 352 - Physical Chemistry I Credits (3)
- Approved upper-level science electives (3)

Capstone (3 hours)
- CHEM 380 - Research in Chemistry Credits (1-3, R12)

Additional Requirements

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Science Education (Concentration in Physics), B.S.ED

Total number of hours for the program 128
(9 credits taken as part of major may also fulfill Liberal Studies requirements)
Liberal Studies Hours 42
Liberal Studies Program Requirements

Professional Education Sequence (23 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- 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 - Advanced General Chemistry 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 (3-4)
- PHYS 310 - Modern Physics Credits (3)
- PHYS 322 - Optics Credits (3)
- PHYS 325 - Thermodynamics Credits (3)
or
- CHEM 352 - Physical Chemistry I 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
Visit the department's website at http://www.wcu.edu/4409.asp to view the 8 semester curriculum guide

**Minor**

**Chemistry, Minor**

Total number of hours for the program 21
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

**Physics, Minor**

Total number of hours for the program 20
The minor requires 20 hours, including

- PHYS 130 - Introductory Physics I Credits (4)
- PHYS 131 - Introductory Physics II Credits (4)
- PHYS 230 - General Physics I Credits (4)
- PHYS 231 - General Physics II Credits (3-4)

**Electives**

12 hours of junior-senior electives

**Communication**

*Don Connelly, head*

R Bennett, M Caudill, D L Connelly, B Farmer, P Harras, S Hawley, C Lee, J Manning, M Mattheis, N Miller, L Nicodemus, G Nucci, B Petricek, K Spasovska

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383

**Major**

**Communication, B S**

Total number of hours for the program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements

**Major Requirements**

The major requires 38 hours, including 6 hours of course prerequisites for major, 14 hours in communication core courses and an 18-hour concentration

**Course Prerequisites for the Communication Major (6 hours)**

- COMM 150 - Interpersonal and Small Group Communication Credits (3)
- COMM 240 - Writing for Communication Credits (3)

Communication Core Courses, 14 hours
- COMM 296 - Introduction to Professional Development Credits (1)
- COMM 345 - Public and Mediated Speaking Credits (3)
- COMM 350 - Communication Theory and Criticism Credits (3)
- COMM 415 - Intercultural Communication Credits (3)
- COMM 483 - Internship in Communications Credits (3, R9)
- COMM 496 - Seminar in Professional Development Credits (1)

**Concentrations, 18 hours selected from**

**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)
- 6 hours of communication department electives

**Broadcast Sales**
- COMM 458 - Broadcast Sales and Promotion 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)
- MKT 310 - Consultative Selling Credits (3)
- 3 hours of marketing electives

**Journalism**
To be admitted to the Journalism concentration a student must receive a B or higher in ENGL 101, 102 and COMM 240
- COMM 330 - News Reporting I Credits (3)
- COMM 430 - News Reporting II Credits (3)
- ENGL 303 - Introduction to Professional Writing and Editing Credits (3)
- ENGL 313 - Authoring Multimedia Credits (3, R6)
- GEOG 103 - Cultural Geography Credits (3)
- LAW 406 - Media Law Credits (3)

**Public Relations**
- COMM 260 - Introduction to Public Relations Credits (3)
- COMM 303 - Public Relations Writing Credits (3)
- COMM 404 - Desktop Publishing Credits (3, R6)
- COMM 365 - Public Relations Case Studies Credits (3)
- COMM 460 - Public Relations Campaigns Credits (3)
- 3 hours of communication department electives

**Organizational Communication**
- COMM 215 - Organizational Communication Credits (3)
- COMM 312 - Small Group Communication Credits (3)
- COMM 313 - Conflict Resolution Credits (3)
- COMM 414 - Gender Communication Credits (3)
- 6 hours of communication department electives

**General Requirements**

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To become a communication major the student first declares the communication pre-major and must make a C or better in COMM 150 and COMM 240. Upon successful completion of the pre-major, the student will be admitted as a communication major. To continue in the program, a student must earn a grade of C or better in each course required for the major and maintain a 2.5 overall GPA. To complete the program, a total of 40 hours is required, including a minor, second 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.

**Minor**

**Broadcast Sales, Minor**

Total number of hours for the program 18
This minor is designed to prepare students for a career in media sales. The minor requires 18 hours including:
- COMM 303 - Public Relations Writing Credits (3)
- COMM 458 - Broadcast Sales and Promotion Credits (3)
- MKT 206 - Introduction to Professional Selling Credits (3)
- MKT 310 - Consultative Selling Credits (3)
- MKT 409 - Negotiations/Relationship Marketing Credits (3)
- MKT 410 - Sales Management and Negotiation Credits (3)

**Note**
For students outside the Communication major minoring in Broadcast Sales
A student majoring or minoring in Broadcast Sales cannot pass the above-listed courses with a grade below C- (minus) and still have that course count toward satisfying the minor in Broadcast Sales.

**Communication, Minor**

Total number of hours for the program 18
The minor requires 18 hours:
- COMM 140 - Introduction to Mass Communication Credits (3)
- COMM 150 - Interpersonal and Small Group Communication Credits (3)
- COMM 240 - Writing for Communication Credits (3)
- COMM 345 - Public and Mediated Speaking Credits (3)
- COMM 346 - Communications Ethics and Responsibilities Credits (3)
- COMM 350 - Communication Theory and Criticism Credits (3)

**Journalism, Minor**

The Journalism Minor is currently being relocated from the Department of English to the Department of Communication. Please contact the Department of Communication for the current approved curriculum for the Journalism minor.
Not open to those pursuing the B.S. in Communications.

**English**

For more information and updates, please see department web site http://english.wcu.edu
Majors

- BA English-Literature
- BA English-Professional Writing
- BA English-Motion Picture Studies
- BA English-English Studies Pedagogy (Coordinating major for the BSEd Comprehensive Education-Secondary English)

Minors

The following minors, also administered by the Department of English, are available to all majors, with the exception of some concentrations in English or Communications, as listed below:

- Minor in Creative Writing
- Minor in English
- Minor in Film Studies
- Minor in Literature
- Minor in Professional Writing

Other minors in which the Department of English participates includes the following College of Arts and Sciences Interdisciplinary minors:

- Minor in American Studies
- Minor in Multimedia

The Journalism Minor is currently being relocated from the Department of English to the Department of Communication. Please contact the Department of Communication for the current approved curriculum for the Journalism Minor.

Major

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

Liberal Studies Program Requirements

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 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 - The Teaching of Grammar 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 - Literature of American Immigration Credits (3)
- ENGL 366 - Literature of American 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
Liberal Studies Program Requirements
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 305 - 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 - Stones Retold Credits (3)
- ENGL 459 - Southern Literature Credits (3)
- ENGL 465 - Topics in African American Literature Credits (3)
- ENGL 366 - Literature of American 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 must 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 complete the requirements of both programs.

English (Motion Picture Studies Concentration), B.A.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
Language Requirement (6 hours)
- MFL 231, 232 or 240 Credits (6)
The major requires 34 hours as follows
Gateway Course (1 hour)
- ENGL 200 - Introduction to the English Major Credits (1)
English Studies Core (6 hours)
 Required core course (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)
- MPTP 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)
• MPTP 320 - Adapting the Short Story Credits (3)
• MPTP 321 - Scene Writing Credits (3)
• MPTP 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
Liberal Studies Program Requirements
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 305 - 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 493 - Topics in Creative Writing Credits (1-3, R6)
• MPTP 310 - Introduction to Screenwriting Credits (3)
• ENGL 412 - Grammar for Writers Credits (3)
• ENGL 497 - Senior Seminar in Writing 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/609.asp to view the 8 semester curriculum guide.
English, B.S.ED

Total number of hours for the program: 120

Liberal Studies Hours: 42
Liberal Studies Program Requirements

Major Requirements

The major requires 43 hours as follows:

Modern Foreign Languages: 6 hours

*Any 6 hours in any foreign language or languages

Gateway Course: 1 hour

- ENGL 200 - Introduction to the English Major (1)

English Education Core: 12 hours

- ENGL 240 - Research, Literary Criticism & British Literature (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 - The Teaching of Grammar Credits (3)
- ENGL 416 - Teaching English as a Second Language Credits (3)

Required Literature: 6 hours

- ENGL 418 - Fundamentals of Teaching Literature Credits (3)
- ENGL 431 - Shakespeare and His Age Credits (3)

Literature Electives (6 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 (*).

- 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 of American 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 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)
- ENGL 498 - Senior Seminar in English Credits (3)

Additional Requirements

Professional Education Sequence B S Ed in English

- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ENGL 417 - Methods for Teaching English Credits (3)
- ENGL 491 - Supervised Student Teaching in English, 9-12 Credits (3)
- EDSE 484 - Supervised Internship I Credits (1-3)
- EDSE 485 - Internship II Credits (6)
- EDSE 495 - Seminar 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 (e.g., 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...
MEL 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 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 will be accepted.

General Electives 8-14 hours (depending on how many hours count for Liberal Studies)

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.

**Minor**

**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)
- ENGL 497 - Senior Seminar in Writing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)

**English Electives (6 hours)**

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

**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.
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 305 - 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 - The Teaching of Grammar 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 of American 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 - 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 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 497 - Senior Seminar in Writing Credits (3)
ENGL 498 - Senior Seminar in English Credits (3)
MPTP 310 - Introduction to Screenwriting Credits (3)
MPTP 406 - Screenwriting II Credits (3)
MPTP 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 378 - Motion Picture Histories Credits (3)

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 394 - Film Adaptation Credits (3, R6)
- ENGL 478 - Film Theory Credits (3)
- LAW 406 - Media Law Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- MPTP 320 - Adapting the Short Story Credits (3)
- MPTP 321 - Scene Writing Credits (3)
- MPTP 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.

**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 of American Immigration Credits (3)
- ENGL 367 - Appalachian Literature Credits (3)
- ENGL 378 - Motion Picture Histories Credits (3)
- ENGL 390 - The Bible as Literature Credits (3)
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 BA 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 305 - 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)
• ENGL 497 - Senior Seminar in Writing Credits (3)

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 of American 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 - 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)

Geosciences and Natural Resources

Mark Lord, head
P Bates, J Bugden-Storie, R Davis, L DeWald, A Fletchall, D Jones, D Kinner, B Kloeppe, J Miller, J Neff, B Tanner, B Torrey, C Waters-Tormey, R Young, S Yurkovich

Major

Geography, B S

This program is on inactive status and no new students are being enrolled

Geology, B.S.

Total number of hours for program 128
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 64 hours, including 29 hours in core courses and 35 hours in a concentration
Core Courses

141
- 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)
- GEOL 355 - Petrology Credits (3)
- GEOL 371 - Structural Geology Credits (4)
- GEOL 422 - Sedimentation and Stratigraphy Credits (4)

Concentrations

Environmental Hydrology Concentration Hours 35

- CHEM 140 - Advanced General Chemistry Credits (4)
- CHEM 330 - Aquatic Chemistry (Lecture 3, Lab 1) Credits (Lecture 3, Lab 1) or
- CHEM 461 - Environmental Chemistry Credits (3)
- GEOL 405 - Hydrogeology Credits (4)
- PHYS 130 - Introductory Physics I Credits (4) or
- PHYS 230 - General Physics I Credits (4)

And Either

- MATH 145 - Trigonometry Credits (3) and
- MATH 146 - Precalculus Credits (4) and
- MATH 153 - Calculus I Credits (4)

Or

- MATH 140 - Introductory Calculus Credits (5) and
- MATH 270 - Statistical Methods I Credits (3)

Upper Level Electives

Upper-level electives in sciences or mathematics chosen from courses below or one approved by advisor, 10 to 12 hours

- GEOL 420 - Assessment, Remediation, and Restoration of Contaminated Rivers Credits (3)
- GEOL 450 - Wetlands Credits (3)
- GEOL 260 - Oceanography Credits (3)
- GEOL 410 - Fluvial Geomorphology Credits (3)

Solid Earth Concentration Hours 35

- CHEM 140 - Advanced General Chemistry 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 Either
- MATH 145 - Trigonometry Credits (3)
  and
- MATH 146 - Precalculus Credits (4)
  and
- MATH 153 - Calculus I Credits (4)

Or
- MATH 140 - Introductory Calculus Credits (5)
  and
- MATH 270 - Statistical Methods I Credits (3)

Plus
- CHEM 232 - Quantitative Analysis Credits (3)
or
- PHYS 131 - Introductory Physics II Credits (4)
or
- PHYS 231 - General Physics II Credits (3-4)

Upper Level Electives
Upper-level electives in sciences or mathematics courses approved by advisor, 10 to 14 hours

Interdisciplinary Concentration Hours 35
- CHEM 132 - Survey of Chemistry I Credits (4)
or
- CHEM 140 - Advanced General Chemistry Credits (4)
- MATH 145 - Trigonometry Credits (3)
- 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, 18 hours. At least 9 hours must form an approved set of coherent courses outside of geology.

General Electives
General electives, (22 hours) are required to complete the degree.

Additional Requirements
At least 32 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
Natural Resource Conservation and Management, B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 72 hours, including 54 hours in core courses and a 18-hour concentration

- BIOL 140 - Principles of Biology I Credits (4)
- BIOL 141 - Principles of Biology II Credits (4)
- CHEM 139 - General Chemistry I Credits (4)
  or
- CHEM 140 - Advanced General Chemistry Credits (4)
- GEOG 150 - Environmental Geography Credits (3)
- GEOG 324 - Introduction to Remote Sensing Credits (4)
- GEOL 305 - Soils and Hydrology Credits (4)
- MATH 146 - Precalculus Credits (4)
- NRM 210 - Methods in Natural Resources Management Credits (4)
- NRM 330 - Introduction to Wildlife Ecology and Management Credits (3)
- NRM 344 - Introduction to 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
- ECON 310 - Natural Resource Economics Credits (3)
  (prerequisite required) (required for the forest resources concentration)

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
- BIOL 254 - Dendrology Credits (4)
- 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)

Visit the geology program's website at http://geology.wcu.edu
- NRM 444 - Applied Geographic Information Systems Credits (4)
- BIOL 438 - Ecological Restoration Credits (3)

Soil and Water Resources Concentration
- NRM 320 - Soil Conservation Credits (3)
- NRM 420 - Soil Genesis and Classification Credits (3)
- NRM 460 - Watershed Management Credits (3)

9 Hours Selected From
- NRM 444 - Applied Geographic Information Systems Credits (4)
- GEOG 300 - Weather and Climate Credits (4)
- GEOL 405 - Hydrogeology Credits (4)
- GEOL 302 - Geomorphology Credits (3)
- GEOL 423 - Contaminated Rivers Assessment, Remediation, and Restoration Credits (3)
- GEOL 455 - Wetlands Credits (3)

Geospatial Resource Analysis Concentration
- GEOG 424 - Advanced Remote Sensing Credits (4)
- NRM 444 - Applied Geographic Information Systems Credits (4)
- NRM 460 - Watershed Management Credits (3)
- NRM 472 - Geospatial Analysis Credits (4)

3 Hours Selected From
- NRM 320 - Soil Conservation Credits (3)
- NRM 420 - Soil Genesis and Classification Credits (3)
- NRM 352 - Forest Resource Measurements Credits (3)
- BIOL 375 - Methods in Ecology and Evolution Credits (4)
- BIOL 441 - Conservation Biology Credits (3)

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://nrcm.wcu.edu

Science Education (Concentration in Earth Sciences), B S ED.

Total number of hours for the program 128
(9 credits taken as part of major may also fulfill Liberal Studies requirements)

Liberal Studies Hours 42

Liberal Studies Program Requirements

Professional Education Sequence (23 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
• 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 - Advanced General Chemistry 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 (4)
• 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 (1-2)

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/as/GeosciencesNRM/index.html to view the 8 semester curriculum guide.

Minor

Earth Sciences, Minor

Total number of hours for the program 17

The minor requires 17 or 18 hours, including
- GEOG 150 - Environmental Geography Credits (3)
- GEOG 300 - Weather and Climate Credits (4)
- GEOL 150 - Methods in Geology Credits (4)
- GEOL 250 - Introduction to the Rock Forming Minerals Credits (3)

Plus
One other freshman-level geology course

**Geography, Minor**

Total number of hours for the program 21
The minor requires 21 hours, including
- GEOG 150 - Environmental Geography Credits (3)
- GEOG 350 - Economic Geography Credits (3)

**Electives**
15 hours of electives above the freshmen level

**Geology, Minor**

Total number of hours for the program 21
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

**Natural Resources Management, Minor**

Total number of hours for the program 18
The minor requires 18 hours, including
- GEOG 150 - Environmental Geography 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 - Introduction to 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)
History

Richard Starnes, head
T Blethen, V Clement, L Cruz, A Denson, D Dorondo, G Graham, J Lewis, E McRae, A Macaulay, S Philyaw, V Szabo

Certificate

Certificate in Public History

The Certificate (15 hours) requires completion of

- HIST 471 - Introduction to Public History Credits (3)
- HIST 472 - Local History and Genealogy Credits (3)
- HIST 473 - Introduction to Museum and Historic Site Interpretation Credits (3)
- HIST 474 - Introduction to Oral History Credits (3)
- HIST 483 - Internship Project in History Credits (3)

Note

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

Major

History, B.A.

Total number of hours for program 128

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

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

Modern Foreign Language (6 hours)

- MFL 231 Credits 3
- MFL 232 Credits 3

Survey Credits (6 hours)

- HIST 221 - European History to 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)

Methods Credits (3 hours)

- HIST 297 - Sophomore Seminar Credits (3)

Upper Division Electives (24 hours)

24 hours of junior-senior electives to include 6 hours in United States History, 6 hours in European History, 3 hours in non-Western History, and 3 hours in teaching methods (HIST 395) At least 9 hours must be at the 400 level

**HIST 395 is also required in the Social Science major, and its hours will be double counted here

Additional Requirements

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

148
History, B.S.

Total number of hours for program 120

Major Requirements

- MATH 170 - Applied Statistics Credits (3)

Survey Credits (6 hours)

Take any two of the following

- HIST 221 - European History to 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)

Methods Credits (3 hours)

- HIST 297 - Sophomore Seminar Credits (3)

Additional Requirements

24 hours of junior-senior history electives to include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

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.

Visit the department’s website at http://www.wcu.edu/as/history/ to view the 8-semester curriculum guide.

Upper Division Guided Electives (24 hours)

24 hours of junior-senior electives to include 6 hours in United States History, 6 hours in European History, 3 hours in non-Western History, and 3 hours in teaching methods (HIST 395). At least 9 hours must be at the 400 level.

**HIST 395 is also required in the Social Science major and its hours will be double counted.

Minor

History, Minor

Total number of hours for the program 21

The minor requires 21 hours, including 6 hours from

- HIST 221 - European History to 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)

Electives

15 hours of junior-senior history electives

Mathematics and Computer Science

Mark Holliday, head

B.S./M.S. Applied Mathematics-Four Plus One

The BS Mathematics / MS Applied Mathematics allows an outstanding student to complete the requirements for both degrees in a period of 5 years.

Guidelines

Students eligible for the Four Plus One Program have:

1. Completed a minimum of seventy-five (75) and a maximum of ninety-six (96) credit hours in their undergraduate programs, including credits earned from advanced placement, and
2. A minimum accumulated grade point average (GPA) of 3.25 at WCU

Guidelines

Students may apply for admission to Graduate School and permission to have up to 12 credit hours of graduate level course work during their senior year count as advanced placement toward their MS degree. Such a request must be approved by both the Head of the Mathematics Department and the Director of the Graduate Program of the Mathematics Department. They in turn must recommend this course of action to the Graduate School. After the student receives the BS degree and completes admission requirements, he or she may be officially admitted into the MS degree program in Applied Mathematics. After admission to the master’s program, the designated courses in which the student earned grades of B or better may be applied toward the requirements of that degree. These courses also count toward the 128 hours needed for the BS degree.

Visit the department’s website at http://www.cs.wcu.edu/ to view the semester curriculum guide

Computer Science, B S

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements

Major Requirements

The major requires 72 hours. Only grades of C (2.0) or higher in required computer science courses will satisfy requirements for the major. The following courses are required:

- CS 150 - Problem Solving and Programming I Credits (4)
- CS 151 - Problem Solving and Programming II Credits (4)
- CS 220 - Social and Ethical Issues of Computing Credits (1)
- CS 263 - Software Engineering Credits (3)
- CS 350 - Computer Organization Credits (3)
- CS 351 - Data Structures and Algorithms Credits (3)
- CS 352 - Organization of Programming Languages Credits (3)
- CS 361 - Computer Graphics Credits (3)
- CS 363 - Software Development Credits (3)
- CS 370 - Operating Systems Credits (3)
- CS 465 - Computer Networking Credits (3)
- CS 495 - Capstone I Credits (2)
- CS 496 - Capstone II Credits (2)
- MATH 153 - Calculus I Credits (4)
- MATH 250 - Introduction to Logic and Proof Credits (3)
- MATH 255 - Calculus II Credits (4)
- MATH 310 - Discrete Structures Credits (3)

Plus
Complete 12 hours selected from the following groups
Eight hours to be selected from one group and the remaining four hours from another group in a different science

- 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 - Advanced General Chemistry 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)
- PHYS 230 - General Physics I Credits (4)
- PHYS 231 - General Physics II Credits (3-4)

Additional Requirements
Six additional hours of courses selected from CS courses numbered above 250 (excluding CS 301, CS 320, and CS 340) that are not required or from the courses listed below (Three hours of the CS elective courses have to be at the 400 level)

- ECET 331 - Digital Integrated Circuits Credits (4)
- ECET 332 - Microcontrollers Credits (4)
- ECET 431 - Microprocessor Interfacing Credits (4)
- MATH 441 - Introduction to Numerical Analysis Credits (3)
- MATH 450 - Linear Optimization Credits (3)
- TEL 345 - Introduction to Local Area Networks Credits (4)

Liberal Studies and Electives
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.cs.wcu.edu/ to view the 8 semester curriculum guide.

Mathematics, B.S.

Total number of hours for the program 128
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 50 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 - Introduction to Linear Algebra Credits (3)

**Additional Required Course**

- MATH 479 - Capstone Seminar Credits (2)

**Math Electives Categories**

**Algebra/Discrete**

- MATH 361 - Introduction to Abstract Algebra Credits (3)
- MATH 461 - Abstract Algebra Credits (3)

  or

- MATH 561 - Abstract Algebra Credits (3)
- MATH 462 - Linear Algebra Credits (3)

  or

- MATH 562 - Linear Algebra Credits (3)

**Analysis**

- MATH 422 - Real Analysis Credits (3)

  or

- MATH 522 - Real Analysis Credits (3)
- MATH 423 - Advanced Calculus II Credits (3)

  or

- MATH 523 - Advanced Calculus II Credits (3)
- MATH 424 - Complex Variable Theory Credits (3)

  or

- MATH 524 - Complex Variable Theory Credits (3)

**Computer/Modeling**

- MATH 320 - Ordinary Differential Equations Credits (3)
- MATH 430 - Mathematical Modeling Credits (3)

  or

- MATH 530 - Mathematical Modeling Credits (3)
- MATH 441 - Introduction to Numerical Analysis Credits (3)

  or

- MATH 541 - Introduction to Numerical Analysis Credits (3)
- MATH 450 - Linear Optimization Credits (3)

  or

- MATH 550 - Linear Optimization Credits (3)

**Statistics**

- MATH 370 - Probability and Statistics I Credits (3)
- MATH 373 - Theory of Interest for Actuarial Exam FM Credits (3)
- MATH 375 - Statistical Methods II Credits (3)
- MATH 470 - Probability and Statistics II Credits (3)
or
- MATH 570 - Statistical Theory II Credits (3)
- MATH 471 - Problem Solving for Actuarial Exam P Credits (3)
or
- MATH 571 - Problem Solving for Actuarial Exam P Credits (3)

Actuarial Science Option

Required 24 hours

- ACCT 251 - Financial Accounting - A User Perspective Credits (3)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- ECON 222 - Introductory Macroeconomics and Social Issues Credits (3)
- FIN 305 - Financial Management Credits (3)
- MATH 370 - Probability and Statistics I Credits (3)
- MATH 373 - Theory of Interest for Actuarial Exam FM Credits (3)
- MATH 470 - Probability and Statistics II Credits (3)
or
- MATH 570 - Statistical Theory II Credits (3)
- MATH 471 - Problem Solving for Actuarial Exam P Credits (3)
or
- MATH 571 - Problem Solving for Actuarial Exam P Credits (3)

To complete the program

36 hours are required, including a second major, minor, or a program approved by the mathematics and computer science department head.

Applied Option

Required 12 hours

Two additional courses from the math electives with at least one of these courses in the Computing/Modeling category and

- CS 340 - Introduction to Scientific Computing Credits (3)
- MATH 320 - Ordinary Differential Equations Credits (3)

To complete the program

48 hours are required, including 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 Option

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

- CS 340 - Introduction to Scientific Computing Credits (3)
- MATH 361 - Introduction to Abstract Algebra Credits (3)

To complete the program

42 hours are required, including a second major, a minor, or a program approved by the mathematics and computer science department head.

Mathematics Education Option

Must earn grades of C or better in the 24 hours of Core Courses in Mathematics

Required 18 hours
- CS 340 - Introduction to Scientific Computing Credits (3)
- MATH 300 - Problem Solving Credits (3)
- MATH 361 - Introduction to Abstract Algebra Credits (3)
- MATH 400 - History of Mathematics Credits (3)
  or
- MATH 500 - History of Mathematics Credits (3)
- MATH 411 - Foundations in Geometry Credits (3)
  or
- MATH 511 - Foundations in Geometry Credits (3)

Math Electives (6 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 Credits (3)
- MATH 423 - Advanced Calculus 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 Credits (3)
- MATH 462 - Linear Algebra Credits (3)
- MATH 470 - Probability and Statistics II Credits (3)

Additional Requirements
To complete the program, 36 hours are required, including the professional education sequence (24 hours - see below) for secondary and special subject teaching and 12 hours of general electives. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. A student enrolled in the BS in Mathematics with the Mathematics Education Option must also be enrolled in the BSED in Mathematics.

Professional Education Sequence (24 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits (3)
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits (3)

General Electives (12 hours)

Additional Information
At least 32 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.cs.wcu.edu/ to view the 8 semester curriculum guide.

Mathematics, B.S.ED.
Total number of hours for the Program 128
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 50 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 - Introduction to Linear Algebra Credits (3)

Additional Required Course (2 hours)

- MATH 479 - Capstone Seminar Credits (2)

Other required courses (18 hours)

- MATH 300 - Problem Solving Credits (3)
- MATH 361 - Introduction to Abstract Algebra Credits (3)
- MATH 400 - History of Mathematics Credits (3)
- MATH 411 - Foundations in Geometry Credits (3)
- MATH 414 - Introduction to Secondary Mathematics Teaching Methods Credits (3)

Electives- Math electives (6 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 Credits (3)
- MATH 423 - Advanced Calculus 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 Credits (3)
- MATH 462 - Linear Algebra Credits (3)
- MATH 470 - Probability and Statistics II Credits (3)

Additional Requirements
To complete the program, 36 hours are required, including the professional education sequence (24 hours-see below) for secondary and special subject teaching and 12 hours of general electives At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree 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 128 total hours needed

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

Professional Education Sequence (24 hours)

155
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits (3)
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)

**Minor**

**Computer Science, Minor**

Total number of hours for the program 17
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 320) or
- MATH 441 - Introduction to Numerical Analysis Credits (3)

**Mathematics, Minor**

Total number of hours for the program 20
The minor requires 20 semester hours, including two semesters of calculus
- MATH 152 - Engineering Calculus I Credits (3)
  or
- MATH 153 - Calculus I Credits (4)
- MATH 252 - Engineering Calculus II Credits (3)
  or
- MATH 255 - Calculus II Credits (4)

Additional Requirements
additional hours selected from CS 340 or any mathematics courses numbered 250 or higher excepting MATH 301, 311, 321, and 322

**Modern Foreign Languages**

_Santiago Garcia-Castanon, head_

_M Couture, J Davis, N Norris, J O'Connor, M Takeda_

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College in the catalog or contact The Honors College at (828) 227-7383

**Native Speaker Policy**

Native speakers are encouraged to enroll in any of the following courses FREN/GER/SPAN 321,
322, 330, 331, 332, 333, 351, 393, 451, 481, and all 400-level literature courses. Other courses are normally not open to native speakers except where required in degree programs. The department head may make exceptions on an individual basis.

**Major**

**French, B.A.**

This program is on inactive status and no new students are being enrolled.

**German, B.A.**

Total number of hours for program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements

Liberal Studies Recommendations

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

**Major Requirements**

The German major requires 33 hours including 21 hours of German core courses and a 12-hour concentration.

To complete the program, a total of 53 hours is required, including a minor, a second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.

**Required German Courses (21 hours)**

- GER 231 - Intermediate German I Credits (3)
- GER 232 - Intermediate German II Credits (3)

or

- GER 240 - Accelerated Second-Year German Credits (6)
- GER 301 - German for Everyday Use Credits (3)
- GER 321 - German Civilization Credits (3)

**A Concentration of Twelve Hours Selected From One of the Concentrations Below**

**German Language and Culture**

6 hours selected from

- GER 304 - Introduction to Business German Culture Credits (3)
- GER 310 - Introduction to German Prose and Poetry Credits (3)
- GER 331 - Survey of German Literature Credits (3)
- GER 431 - Studies in German Literature Credits (3, R6)

6 hours selected from

- GER 401 - Contrastive Features of German and English Credits (3)
- GER 451 - Advanced German Grammar Credits (3)
- GER 452 - Advanced German Conversation Credits (3)
- GER 493 - Special Topics in German Credits (1-3, R6)

**German Studies**

6 hours selected from

- GER 304 - Introduction to Business German Culture Credits (3)
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GER 310 - Introduction to German Prose and Poetry</td>
<td>3</td>
</tr>
<tr>
<td>GER 401 - Contrastive Features of German and English</td>
<td>3</td>
</tr>
<tr>
<td>GER 431 - Studies in German Literature</td>
<td>3, R6</td>
</tr>
<tr>
<td>GER 451 - Advanced German Grammar</td>
<td>3</td>
</tr>
<tr>
<td>GER 452 - Advanced German Conversation</td>
<td>3</td>
</tr>
<tr>
<td>GER 493 - Special Topics in German</td>
<td>1-3, R6</td>
</tr>
<tr>
<td>6 hours selected from</td>
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<tr>
<td>PHIL 307 - Liberty, System, and History in the Age of Revolutions</td>
<td>3</td>
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<td>HIST 221 - European History to 1517</td>
<td>3</td>
</tr>
<tr>
<td>HIST 222 - European History Since 1517</td>
<td>3</td>
</tr>
<tr>
<td>HIST 330 - Modern Germany</td>
<td>3</td>
</tr>
<tr>
<td>PSC 215 - European Political Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Information**

Visit department's website at http://www.wcu.edu/as/MFL/

**Spanish, B A**

Total number of hours for program 120

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.

**Liberal Studies Hours 42**

**Liberal Studies Program Requirements**

**Major Requirements**

The major requires 33 hours as follows

I Intermediate Hours 6

- SPAN 231 - Intermediate Spanish I Credits (3)
- SPAN 232 - Intermediate Spanish II Credits (3)
- SPAN 240 - Accelerated Second-Year Spanish Credits (6)

II Language/Culture Hours 6

- SPAN 301 - Spanish Conversation & Composition Credits (3)
- SPAN 302 - Topics of the Hispanic World II Credits (3)

III Civilization and Culture Hours 6

- SPAN 321 - Hispanic Culture Credits (3)
- SPAN 322 - Spanish-American Civilization Credits (3)

IV Literature Hours 6

Two courses selected from

- SPAN 310 - Introduction to Spanish Prose and Poetry Credits (3)
- SPAN 330 - Masterpieces of Spanish Peninsular Literature Credits (3)
- SPAN 333 - South American Literature in Spanish Credits (3)
- SPAN 431 - Studies in Spanish Peninsular Literature Credits (3, R6)
- SPAN 432 - Studies in Spanish-American Literature Credits (3, R6)

V Electives Hours 9

Choose nine hours from the Literature courses listed above or

- SPAN 493 - Special Topics in Spanish Credits (3)
- SPAN 401 - Contrastive Features of Spanish and English Credits (3)
- SPAN 451 - Advanced Spanish Grammar Credits (3)
- SPAN 452 - Advanced Spanish Conversation Credits (3)

Additional Requirements
To complete the program, a total of 45 hours is required, including a minor, second major, or other approved program and general electives coursework. 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 must maintain a minimum of 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/as/MFL/ to view the 8 semester curriculum guide.

Spanish, B.S.Ed

Total number of hours in the program 128
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.

Liberal Studies Hours 42
Liberal Studies Program Requirements
Professional Education Sequence (26 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- SPAN 420 - Teaching Foreign Language Credits (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 Second-Year Spanish Credits (6)

Core (15 hours to choose among the following)
- SPAN 301 - Spanish Conversation & Composition Credits (3)
- SPAN 321 - Hispanic Culture 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 411 - National identity in Literature and the Arts in the Spanish-Speaking World Credits (3)
- 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 Phonetics, Morphology and Syntax 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)

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/as/MFL/ to view the 8 semester curriculum guide.

Minor

German and Spanish, Minor

Total number of hours for the program 21

Minor Requirements

Each minor requires 21 hours, including

Spanish
- SPAN 231 - Intermediate Spanish I Credits (3)
- SPAN 232 - Intermediate Spanish II Credits (3)
- or
- SPAN 240 - Accelerated Second-Year Spanish Credits (6)

Guided Electives from Spanish courses
15 hours (five courses) at the 300 or 400 level

German
- 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
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)

Philosophy and Religion

Daryl Hale, head
C Hoyt, J McLachlan, J Whitmure

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under "The Honors College" in the catalog or contact The Honors College at (828) 227-7383

Major

Philosophy (Concentration in Philosophy), B A
Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
Concentration in Philosophy
Modern Foreign Languages 231-232 or 240 6 hours
and
30 hours as follows
Philosophical Foundations (9 hours)
- PAR 101 - Western Philosophical Traditions Credits (3)
  or
- PAR 102 - Western Moral Traditions Credits (3)
- PAR 230 - Legal, Scientific, & Critical Reasoning Credits (3)
  (required course in Philosophical Foundation sequence)
- PAR 295 - Self, Society, & the Good Life Credits (3)
  (required course in Philosophical Foundations sequence)
History of Philosophy (9 hours)
- PAR 304 - Justice, Power and Human Nature in the Ancient Greek Polis Credits (3)  
  (required course in History of Philosophy sequence)
- PAR 306 - Science, Reason, and Autonomy in the Enlightenment Credits (3)  
  (required course in History of Philosophy sequence)
- PAR 307 - From Existentialism to Feminism Credits (3)
- PAR 308 - From Pragmatism to Postmodernism Credits (3)
- PAR 365 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith Credits (3)
- PAR 404 - Ancient Cynics, Stoics, and Skeptics Credits (3)

Philosophy and Culture (6 hours)
- PAR 309 - Philosophy In and Of Film Credits (3)
- PAR 310 - Philosophy of Art Credits (3)
- PAR 311 - Philosophy of Science 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)
- 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 334 - Biotechnology and Society Credits (3)
- PAR 354 - Religion, Suffering, and the Moral Imagination Credits (3)
- PAR 380 - Independent Study Credits (1-3, R6)
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)

Seminar and Special Topics (6 hours)
- PAR 392 - Morality, Conflict, and Community Credits (3)  
  or
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)
- PAR 495 - Seminar in Philosophy and Religion Credits (3, R9)

Additional Requirements
To complete the Bachelor of Arts program in the Arts & Sciences College, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12 general (free) electives. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the University's degree requirements. Only grades of C (2.0) or higher satisfy requirements for the major.

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

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. Taking a course (like PAR 392 and PAR 393) once cannot be used to satisfy both the Philosophy and Culture and Seminar sections.
Philosophy (Concentration in Religion), B.A

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements

Major Requirements
The major in Philosophy with a concentration in Religion requires

Concentration in Religion
Modern Foreign Languages 231-232 or 240 6 hours
and
30 hours as follows

Foundations of the Study of Religion (12 hours)
- PAR 145 - Eastern Religious Traditions Credits (3)
- PAR 146 - Western Religious Traditions Credits (3)
- PAR 242 - What is Religion? Credits (3)
- PAR 312 - Philosophy of Religion Credits (3)
- PAR 295 - Self, Society, & the Good Life Credits (3)
  (required course in Foundation of the Study in Religion sequence)

Religion and Cultures (6 hours)
- ANTH 365 - Religion, Magic, Myth Credits (3)
- ENGL 290 - Literature and the Sacred Credits (3)
- ENGL 350 - The Renaissance Credits (3)
- ENGL 390 - The Bible as Literature Credits (3)
- ENGL 420 - Chaucer and His Age Credits (3)
- ENGL 440 - Milton and His Age Credits (3)
- HIST 375 - Middle East since Mohammed Credits (3)
- HIST 455 - American Religious History 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 367 - Native American Religions Credits (3)

Religion and Critical Thought (6 hours)
- PAR 307 - From Existentialism to Feminism Credits (3)
- PAR 308 - From Pragmatism to Postmodernism Credits (3)
- PAR 312 - Philosophy of Religion Credits (3)
- PAR 320 - Philosophical and Religious Classics Credits (3)
- PAR 323 - Mysticism and the Modern Mind 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 355 - Contemporary Religious Classics Credits (3)
- PAR 365 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith Credits (3)
- PAR 366 - Religion and Science God’s Law and the Laws of Nature Credits (3)
- PAR 392 - Morality, Conflict, and Community Credits (3)
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)

Senior Seminar (6 hours)
- PAR 392 - Morality, Conflict, and Community Credits (3)

or
- PAR 393 - Topics in Philosophy and Religion Credits (1-3, R6)
- PAR 495 - Seminar in Philosophy and Religion Credits (3, R9)
  (Taken as an upper level elective)

Additional Requirements
To complete the Bachelor of Arts program in the Arts and Sciences College, a total of 42 hours is required, which includes a second major, minor, or approved program, and 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. Only grades of C (2.0) or higher satisfy requirements for the major.

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. Taking a course (like PAR 392 or PAR 393) once cannot be used to satisfy more than one section.

Additional Information
Visit the department's website at http://www.wcu.edu/as/philo/ to view the 8 semester curriculum guide.

Minor

Philosophy, Minor

Total number of hours for the program 18
The minor requires 18 hours, including
- PAR 102 - Western Moral Traditions Credits (3)
- PAR 230 - Legal, Scientific, & Critical Reasoning Credits (3)

Electives
12 hours of electives selected from junior-senior Philosophy/Religion courses, or
- PSC 345 - Ancient and Medieval Political Thought Credits (3)
- PSC 346 - Modern Political Thought Credits (3)

Religion, Minor

Total number of programs for the major 18
The minor requires 18 hours, including
- PAR 145 - Eastern Religious Traditions Credits (3)
- PAR 146 - Western Religious Traditions Credits (3)
  and either
- PAR 242 - What is Religion? Credits (3)
  or
- PAR 312 - Philosophy of Religion Credits (3)

Electives
9 hours of electives selected from junior-senior Philosophy and Religion courses or
- ANTH 365 - Religion, Magic, Myth Credits (3)
- ART 406 - Renaissance Art Credits (3)
- ENGL 390 - The Bible as Literature Credits (3)
- ENGL 420 - Chaucer and His Age Credits (3)
- ENGL 440 - Milton and His Age Credits (3)
- HIST 311 - Ancient Greece and Rome Credits (3)
- HIST 313 - The High Middle Ages Credits (3)
- HIST 375 - Middle East since Mohammed Credits (3)
- HIST 412 - Early Modern Europe Credits (3)
- HIST 455 - American Religious History Credits (3)

Political Science and Public Affairs

Gibbs Knotts, head
Christopher Cooper, director of PPI
D Bromberg, T Collins, F Fisher, C D Livingston, G Mercer, J Schiff

Major

Political Science, B A

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 39 hours as follows Core (18 hours), Electives (15), and MFL (6 hours)
Core
18 hours—one course from each category
- PSC 150 - American Government and Politics Credits (3)
- PSC 215 - European Political Systems Credits (3)
  or
- PSC 216 - Politics of Developing Areas Credits (3)
  or
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 241 - International Politics Credits (3)
  or
- PSC 242 - International Organization Credits (3)
- PSC 250 - Introduction to Political Science Credits (1)
- PSC 303 - State and Local Government Credits (3)
  or
- PSC 304 - Public Administration Credits (3)
- PSC 345 - Ancient and Medieval Political Thought Credits (3)
  or
- PSC 346 - Modern Political Thought Credits (3)
- PSC 349 - Civic Learning Credits (1)
  or

165
Electives
15 hours of Political Science electives at the 200 level and above (at least 12 of these hours must be at the 300 or 400 level, no more than 6 hours can be applied to cooperative education or internship)

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.
To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program. At least 32 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/4834.asp to view the 8 semester curriculum guide.

Political Science, B.S.

Total number of hours for the program: 120
Liberal Studies Hours: 42
Liberal Studies Program Requirements
Major Requirements
The major requires 39 hours as follows: Core (18 hours), Electives (15 hours), and MATH 135 or MATH 170 (3 hours) and PSC 348 (3 hours).

Core
18 hours—one course from each category

- PSC 150 - American Government and Politics Credits (3)
- PSC 215 - European Political Systems Credits (3)
  or
- PSC 216 - Politics of Developing Areas Credits (3)
  or
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 241 - International Politics Credits (3)
  or
- PSC 242 - International Organization Credits (3)
- PSC 250 - Introduction to Political Science Credits (1)
- PSC 303 - State and Local Government Credits (3)
  or
- PSC 304 - Public Administration Credits (3)
- PSC 345 - Ancient and Medieval Political Thought Credits (3)
  or
- PSC 346 - Modern Political Thought Credits (3)
- PSC 349 - Civic Learning Credits (1)
  or
- PSC 350 - Advanced Writing in Political Science Credits (1)
  or
- PSC 450 - Portfolio Credits (1)

And
- MATH 135 - Statistics, Functions, and Rates of Change Credits (3)
or
- MATH 170 - Applied Statistics Credits (3)
  and
- PSC 348 - Political Analysis Credits (3)

Electives
15 hours of Political Science electives at the 200 level and above. At least 9 of these hours must be at the 300 or 400 level, no more than 6 hours can be applied to cooperative education or internship.

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.

To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program. At least 32 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/4834.asp to view the 8 semester curriculum guide.

Minor

Political Science, Minor

Total number of hours for the program 21
The minor requires 21 hours in political science, including
- PSC 150 - American Government and Politics Credits (3)
  and
- PSC 215 - European Political Systems Credits (3)
  or
- PSC 216 - Politics of Developing Areas Credits (3)
  or
- PSC 219 - Latin American Political Systems Credits (3)
  or
- PSC 241 - International Politics Credits (3)
  or
- PSC 242 - International Organization Credits (3)

Electives
15 hours of electives (at least 9 hours at the 300 or 400 level)

Social Science Programs

Libby McRae, head

Major

Social Sciences, B.S.ED

Total number of hours for the program 128
Liberal Studies Hours 42
Liberal Studies Program Requirements
Professional Education Sequence Core (25 or 27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)

167
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 Language 3 Hours
- MFL 102 - Modern Foreign Language Credits (3)

II Methods (8 hours)
- HIST 405 - Methods for Teaching Social Sciences Credits (3)
- HIST 310 - Teaching World History Credits (1)
- HIST 395 - Building a Democratic Classroom Credits (3)
- PSC 406 - Teaching Civics and Economics Credits (1)

III Social Sciences Courses (18 hours)
- GEOG 350 - Economic Geography Credits (3)
- GEOG 440 - Regional Geography Credits (3, R12)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- ECON 232 - Introductory Macroeconomics and Social Issues Credits (3)
- PSC Upper Division Electives (12 hours) from the following
- PSC 303 - State and Local Government Credits (3)
- PSC 305 - Congress Credits (3)
- PSC 306 - American Presidency Credits (3)
- PSC 310 - Constitutional Law Structure and Powers Credits (3)
- PSC 347 - American Social and Political Eras Credits (3)

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.
College of Business

Louis E. Buck Jr., interim dean
Debra Burke, associate dean
Kenneth Flynt, associate dean

Vision The College of Business is a leading educator of high-performance, innovative, leadership talent that meets tomorrow’s business and the region’s evolving development needs.

Mission The College of Business will be a leader among schools of business in graduating students that meet the needs of industries, markets and institutions from the local to the global level. Graduates will achieve their high-performance and innovative leadership potential through a program of active learning involving academic studies enhanced by practical experience gained from engagement opportunities with businesses and economic and community development agencies.

Programs of study include Bachelor of Science in Business Administration (with majors in Accounting, Business Administration and Law, Computer Information Systems, Entrepreneurship, Finance, Management and Marketing), Bachelor of Science in Entrepreneurship, Bachelor of Science in Sport Management, Bachelor of Science in Hospitality and Tourism, Master of Accountancy, Master of Business Administration, Master of Entrepreneurship, and Master of Project Management. The Master of Business Administration is offered in Cullowhee and Asheville, the Master of Accountancy is offered in Asheville, the Master of Entrepreneurship is offered in the Asheville/Hendersonville areas, and the Master of Project Management is Web-based, available internationally.

Admission to BSBA programs Acceptance and registration in business administration courses or the declaration of intent to complete a business major do not guarantee admission to the Bachelor of Science in Business Administration programs. A student is not officially in the college until admitted as a candidate for the degree in a major program. A student may be admitted to degree programs other than accounting after completing a minimum of 30 hours at Western Carolina University with a 2.0 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.0 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the College of Business must have a 2.0 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.0 GPA on hours attempted both at Western and at the other institutions is required. Admission requirements for the accounting and sport management programs are different and 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 College of Business at Western Carolina University toward the BSBA or BS degrees. Application for graduation may be filed upon completion of 90 hours and must be filed no later than one month before the final semester of enrollment.

The Bachelor of Science in Business Administration degree This degree program requires the following:

- Liberal Studies (42 hours)
- Business pre-core courses (18 hours)
- Business core courses (33 hours)
- Major program of study in business and elective courses (27 hours)
- Minimum requirements for BSBA Degree (120 hours)

A minimum GPA of 2.0 is required in the major for graduation. The Sport Management program requires a minimum GPA of 2.5 in the major. The major comprises the Business pre-core and
Business core course and hours in the major program of study. Appropriate prerequisites must be completed and at least 56 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.

Second Major in Business Administration. The requirements for a second major in business administration are identical to the Business pre-core and core courses identified. Substitutions may be made only with the approval of the dean of the College of Business.

Minor

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.

Requirements

Business Core Requirements (33 hours)

(Required for all B S B A Majors)

Required

- ACCT 252 - Using Accounting Information for Management Decisions Credits (3)
- CIS 251 - Managing Enterprise Information Systems Credits (3)
- ECON 300 - Macroeconomics and Business Forecasting 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)
- QA 305 - Decision Making II Credits (3)
- MGT 366 - Organizational Leadership Theory and Development Credits (3)
- MGT 367 - Introduction to Project Management in Practice Credits (3)
- MGT 404 - Strategic Management Credits (3)
- MKT 201 - Marketing Planning and Strategy Credits (3)
Business Mim Core Requirements (15 hours)

Required for BS Majors in the College of Business

- LAW 230 - Legal and Ethical Environment of Business Credits (3)
- ACCT 252 - Using Accounting Information for Management Decisions Credits (3)
- FIN 305 - Financial Management Credits (3)
- MGT 300 - Introduction to Management Credits (3)
- MKT 201 - Marketing Planning and Strategy Credits (3)

Business Pre-Core Requirements (18 hours)

(Required for all BS and B.S.B.A. Majors)

Required

- BA 133 - Strategy First Credits (3)
- MATH 130 - College Algebra Credits (3) or any MATH course with MATH130 as a prerequisite
- MKT 134 - Small Group Communication and Sales Skills Credits (3)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- QA 235 - Decision Making I Credits (3)
- ACCT 251 - Financial Accounting - A User Perspective Credits (3)

BA 133, MATH 130, and ECON 231 also satisfy Liberal Studies requirements. This may allow students additional 9 hours of general electives.

Accounting, Finance, Information Systems, and Economics

N. Leroy Kauffman, head

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

Major

Accounting, B.S.B.A.

Total number of hours for program 120

A student may be admitted to the B.S.B.A. degree program with a major in accounting after completing a minimum of 30 hours at Western Carolina University with a 2.2 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.2 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the accounting program must have a 2.2 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.2 GPA on hours attempted both at Western and at other institutions is required.

Liberal Studies Hours 42

Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Core 33 hours
Business Core Requirements (33 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 (6)

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

Computer Information Systems, B.S.B.A.

Total number of hours for program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Core 33 hours
Business Core Requirements (33 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 - Microcomputer Applications Credits (3)
- CIS 335 - Enterprise Technology Management Credits (3)
- CIS 340 - Business Applications Development II 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)

and 6 hours of program electives from the following

- 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)

Curriculum guide
Visit the department's website at http://afie.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
Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Core 33 hours
Business Core Requirements (33 hours)
Major Requirements
The following 24 hours in one of the two following concentrations
Banking
- ACCT 275 - Intermediate Accounting I Credits (3)
- BA 300 - Business Communications Credits (3)
- FIN 301 - Financial Statement Analysis Credits (3)
- FIN 335 - Financial Institutions Credits (3)
- FIN 406 - Investment Strategies Credits (3)
- FIN 440 - Bank Practice and Policy Credits (3)
- FIN 450 - Contemporary Managerial Finance Credits (3)
- FIN 483 - Internship in Finance Credits (3, R9)

Financial Planning
- ACCT 355 - Introduction to Income Taxation Credits (3)
- BA 300 - Business Communications Credits (3)
- FIN 310 - Introduction to Financial Planning, Risk Management, and Insurance Planning Credits (3)
- FIN 335 - Financial Institutions Credits (3)
- FIN 406 - Investment Strategies Credits (3)
- FIN 410 - Retirement Planning Credits (3)
- FIN 496 - Seminar in Financial Planning Credits (3)
and 3 hours of electives selected from
- ACCT 301 - Financial Statement Analysis Credits (3)
- COUN 430 - Individual and Group Counseling Credits (3)
- ECON 303 - Money, Financial Markets, and Economic Policy Credits (3)
- FIN 389 - Cooperative Education in Finance Credits (1or3, R15)
or
- FIN 483 - Internship in Finance Credits (3, R9)
- MKT 206 - Introduction to Professional Selling Credits (3)
- MKT 310 - Consultantive Selling Credits (3)

Electives
General electives Credits (3)

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

Minor

173
Accountancy, Minor

Total number of hours for the program 18
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 355 - Introduction to Income Taxation Credits (3)
- ACCT 356 - Cost Accounting Credits (3)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
  Or
- ECON 300 - Macroeconomics and Business Forecasting Credits (3)

Banking, Minor

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)
- FIN 440 - Bank Practice and Policy Credits (3)
And 3 hours of electives selected from the following
- FIN 410 - Retirement Planning Credits (3)
- FIN 483 - Internship in Finance Credits (3, R9)
- MKT 206 - Introduction to Professional Selling Credits (3)

Computer Information Systems, Minor

Total number of hours for the program 18
All course prerequisites must be followed
The minor, which is open only to non-business majors, 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 - Microcomputer Applications Credits (3)
And two courses (6 hours) selected from
- CIS 335 - Enterprise Technology Management Credits (3)
- CIS 340 - Business Applications Development II 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)

Economics, Minor

174
Total number of hours for the program 18
The minor requires 18 hours including

- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- ECON 232 - Introductory Macroeconomics and Social Issues Credits (3)
  Either
- ECON 300 - Macroeconomics and Business Forecasting Credits (3)
- ECON 302 - Intermediate Microeconomics and Applications Credits (3)
  Or
- QA 235 - Decision Making I Credits (3)
- MATH 170 - Applied Statistics Credits (3)
- MATH 270 - Statistical Methods I Credits (3)

And one course selected from

- ECON 222 - Introductory Macroeconomics and Social Issues Credits (3)
- ECON 300 - Macroeconomics and Business Forecasting Credits (3)
- ECON 302 - Intermediate Microeconomics and Applications Credits (3)
- GEOG 350 - Economic Geography Credits (3)

And an additional 6 hours of 300 or 400 level economics courses, which may include

- GEOG 350 - Economic Geography Credits (3)

### Business Administration and Law, and Sport Management

AJ Grube, head

### Major

### Business Administration and Law, B.S.B.A

Total number of hours for program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Core 33 hours
Business Core Requirements (33 hours)
Major Requirements
The following 21 hours in the major
Required courses

- LAW 275 - Business Associations Credits (3)
- LAW 331 - Contracts and Sales Credits (3)
- LAW 475 - Legal Aspects of Business Administration and Professionalism
  Credits (3)

And either

- LAW 320 - International Business Law Credits (3)
  Or
- LAW 412 - Business Ethics and Corporate Responsibility Credits (3)

Select three from the following

- LAW 285 - Mediation Credits (3)
- LAW 302 - Legal Aspects of Managing Technology Credits (3)
- LAW 303 - Marketing Law Credits (3)
• LAW 320 - International Business Law Credits (3)
• LAW 393 - Topics in Business Law Credits (1-3, R6)
• LAW 402 - Hospitality Law Credits (3)
• LAW 403 - Property and Estates Credits (3)
• LAW 406 - Media Law Credits (3)
• LAW 410 - Witnesses and Evidence 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)
• LAW 480 - Independent Research in Business Law Credits (3)
• LAW 483 - Internship in Business Law Credits (3)

Electives
General electives 6-15 hours depending on Liberal Studies courses completed
Visit the department's website at http://www.wcu.edu/cob/programs/bal.htm to view the 8 semester curriculum guide

Sport Management, B.S.

Total number of hours for program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Mini Core 15 hours
Business Mini Core Requirements (15 hours)
Major Requirements 30 hours
• SM 260 - Introduction to Sport Management Credits (3)
• SM 340 - Sport Ethics Credits (3)
• SM 420 - Risk Management and Liability in Sport Credits (3)
• SM 423 - Sociology of Sport Credits (3)
• SM 435 - Sport Event Management and Sponsorship Credits (3)
• SM 445 - Sport Administration Credits (3)
• SM 460 - Financial Aspects of Sport Credits (3)
• SM 484 - Internship in Sport Management Credits (3-6)
• SM 485 - Internship in Sport Management Credits (3-6)
• SM 495 - Sport Management Strategy Credits (3)

Concentrations
Sport Management Majors can also choose to earn a concentration in Athletic Administration and/or Exercise Science and Fitness Management
Athletic Administration Concentration 18 hours
• CIS 251 - Managing Enterprise Information Systems Credits (3)
• COMM 303 - Public Relations Writing Credits (3)
• COMM 260 - Introduction to Public Relations Credits (3)
• SM 461 - Sport Marketing Credits (3)
Or
• PRM 330 - Aquatic Recreation Management Credits (3)
Exercise Science and Fitness Management Concentration 20 or 21 hours

- CHEM 132 - Survey of Chemistry I Credits (4)
- CHEM 133 - Survey of Chemistry II Credits (4)
- ND 330 - Human Nutritional Needs Credits (3)
- PE 423 - Kinesiology Credits (3)
- HPE 225 - Applied Kinesiology II - Exercise Physiology Credits (4)
- BIOL 291 - Human Anatomy and Physiology I Credits (4)
- BIOL 292 - Human Anatomy and Physiology II Credits (4)
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics Credits (4)

Admission Criteria
All requirements for admission to Sport Management (SM) must be met by the semester in which the student submitted the application. The following are requirements for admission:

1. Earn and maintain a minimum cumulative GPA of 2.5 on hours attempted at WCU
2. All students must have a 2.5 GPA to be eligible to take any 400 level SM prefix course

Students who have not met the requirement for admission into the Sport Management major (2.5 GPA on hours completed at WCU) may register as pre-majors in Sport Management. Students who have not achieved a 2.5 GPA by the time they have completed 60 hours should not remain as pre-majors in Sport Management, but should select another major.

Requirements for Graduation in Sport Management

- 2.5 WCU Grade Point Average (required for admission into the SM program, to take 400 level SM-prefix courses, to intern and to graduate)
- 120 semester hours
- All other WCU requirements

Visit the department’s website at http://www.wcu.edu/2517.asp to view the 8 semester curriculum guide.

Minor in Sport Management
Requirements: Sport Management, Minor

Minor

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)
- 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 Associations Credits (3)
LAW 285 - Mediation Credits (3)
LAW 302 - Legal Aspects of Managing Technology Credits (3)
LAW 303 - Marketing Law 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 - Property and Estates Credits (3)
LAW 406 - Media Law Credits (3)
LAW 410 - Witnesses and Evidence 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)

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 (9)
- BA 480 - Independent Research Credits (3)
  Or
- BA 495 - Dispute Resolution Seminar Credits (3)
- LAW 285 - Mediation Credits (3)
- MKT 409 - Negotiations/Relationship Marketing Credits (3)

Select three electives 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)

Sport Management, Minor

Total number of hours for the program 18
The minor, which is open to non-Sport Management majors, requires 18 hours as follows
- SM 260 - Introduction to Sport Management Credits (3)
  and 15 hours from the following
- SM 423 - Sociology of Sport Credits (3)
- SM 420 - Risk Management and Liability in Sport Credits (3)
- SM 435 - Sport Event Management and Sponsorship Credits (3)
- SM 445 - Sport Administration Credits (3)
- SM 460 - Financial Aspects of Sport Credits (3)
  or
- SM 461 - 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.

Center for Entrepreneurship and Innovation

Louis Buck, head
M. Boyd, R. Carton, B. Davidson, K. Hill, R. Lahm, F. Lockwood

Major

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 130 - College Algebra Credits (3) or any other Math course with MATH 130
  as a prerequisite
- MGT 300 - Introduction to Management Credits (3)
- MKT 201 - Marketing Planning and Strategy Credits (3)
  or
- MKT 206 - Introduction to Professional Selling Credits (3)
- ENT 201 - Introduction to Entrepreneurship Credits (3)
- ENT 250 - Innovation and Creativity Credits (3)
- ENT 301 - New Venture Leadership Credits (3)
- ENT 325 - New Venture Creation Credits (3)
- ENT 350 - New Venture Growth Credits (3)
- ENT 401 - Entrepreneurial Funding Credits (3)
- ENT 450 - New Venture Strategy Credits (3)
- ENT 475 - Entrepreneurial Consulting Credits (3)

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)

179
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://www.wcu.edu/3857.asp to view the 8 semester curriculum guide.

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

Total number of hours for the program: 120

Liberal Studies Hours: 42

Liberal Studies Program Requirements

Business Pre-Core: 18 hours

Business Pre-Core Requirements (18 hours)

Business Core: 33 hours

Business Core Requirements (33 hours)

Major Requirements

The following 21 hours in the major:

- ENT 201 - Introduction to Entrepreneurship Credits (3)
- ENT 250 - Innovation and Creativity Credits (3)
- ENT 301 - New Venture Leadership Credits (3)
- ENT 325 - New Venture Creation Credits (3)
- ENT 350 - New Venture Growth Credits (3)
- ENT 450 - New Venture Strategy Credits (3)
- ENT 475 - Entrepreneurial Consulting Credits (3)

Electives (6 hours)

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

**Minor**

**Entrepreneurship, Minor**

Total number of hours for the program: 16

Minor Requirements

The minor requires 16 hours, including:

- ENT 201 - Introduction to Entrepreneurship Credits (3)
- ENT 250 - Innovation and Creativity Credits (3)
- ENT 301 - New Venture Leadership Credits (3)
- ENT 325 - New Venture Creation Credits (3)
- ENT 350 - New Venture Growth Credits (3)
- ENT 482 - Independent Study Credits (1-3, R6)

**Global Management and Strategy**

Jerry Knard, head


**Major**

180
Management, B.S.B A.

Total number of hours for program 120
All Management majors will be required to prepare a portfolio demonstrating competence in Communicating, Decision-making, Leading, Working with others, including groups, professional behavior, and Integrating other fields of study with Management
Liberal Studies Hours 42
Liberal Studies Program Requirements
Business Pre-Core 18 hours
Business Pre-Core Requirements (18 hours)
Business Core 33 hours
Business Core Requirements (33 hours)
Major Requirements
The following 21 hours in the major
- MGT 304 - Human Resource Management Credits (3)
- MGT 306 - Behavioral Science in Organizations Credits (3)
- MGT 402 - Production and Operations Management Credits (3)
- MGT 495 - Seminar in Management Credits (3)
- MGT 400 - Organization Theory Credits (3)
- MGT 404 - Strategic Management Credits (3)
- 3 hours guided Business elective (300-400 level) with advisor's approval
General Electives, 6 hours
Curriculum Guide
Visit the department's website at www.wcu.edu/7125.asp to view the 8 semester curriculum guide

Minor

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

Sales, Marketing, and Hospitality and Tourism

Jim DeConinck, head
J Busbin, D Cherney, M DeConinck, S Henson, J Johnson

Major

Hospitality Tourism Management, B S

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements

Business Pre-Core 18 hours

Business Pre-Core Requirements (18 hours)

Business Mini Core 15 hours

Business Mini Core Requirements (15 hours)

Major Requirements (30 hours)

Required courses

- 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)

And

Choose any three from the following

- HT 232 - Quality Service Credits (3)
- HT 229 - Hotel Front Office Operations Credits (3)
- HT 231 - Hospitality Facilities Management Credits (3)
- HT 233 - Quantity Foods Credits (3)
- HT 336 - Club Management Credits (3)
- HT 337 - Meeting, Convention, and Event Planning Credits (3)
- HT 238 - Travel & Tourism Credits (3)
- HT 239 - Cost Control in the Hospitality and Tourism Industry 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 493 - Topics Credits (1-12)
- LAW 402 - Hospitality Law Credits (3)

Electives (15 hours)

More hours may be required depending on the number of hours taken in the major that also meet Liberal Studied requirements

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

Marketing, B.S.B.A.

Total number of hours for the program 120

Liberal Studies Hours 42

Liberal Studies Program Requirements

Business Pre-Core 18 hours

Business Pre-Core Requirements (18 hours)

Business Core 33 hours

Business Core Requirements (33 hours)

Major Requirements

The following 24 hours in the major

182
- MKT 304 - Consumer Behavior Credits (3)
- MKT 206 - Introduction to Professional Selling Credits (3)
- MKT 310 - Consultative Selling Credits (3)
- MKT 409 - Negotiations/Relationship Marketing Credits (3)
- MKT 410 - Sales Management and Negotiation Credits (3)
- MKT 475 - Marketing Strategy and Management Credits (3)

And
Select 2 marketing electives from the following
- MKT 302 - Integrated Marketing Communications Strategy Credits (3)
- MKT 303 - Marketing Research Credits (3)
- MKT 403 - Advertising Management Credits (3)
- MKT 404 - Retailing Management Credits (3)
- MKT 405 - Business and Organizational Marketing Credits (3)
- MKT 406 - Channels of Distribution Credits (3)
- MKT 407 - Global Marketing Credits (3)
- MKT 482 - Independent Study Credits (3)
- MKT 483 - Internship in Marketing Credits (3)
- MKT 493 - Topics in Marketing Credits (1-3, R12)

Electives
General electives, 3 hours

NOTE
Students may select various interest areas, e.g., sales, retailing, general marketing, by carefully choosing their electives in consultation with their academic adviser.
Visit the department's website at http://www.wcu.edu/cob/SalesWebsite/home.html to view the 8 semester curriculum guide.

Minor

Hospitality and Tourism, Minor

Total number of hours for the program 18
The minor requires 18 hours
Required
- HT 130 - The Hospitality and Tourism Services Industry Credits (3)
Select 5 courses from the following
- HT 232 - Quality Service Credits (3)
- HT 229 - Hotel Front Office Operations Credits (3)
- HT 231 - Hospitality Facilities Management Credits (3)
- HT 233 - Quantity Foods Credits (3)
- HT 241 - Special Events and Festival Management Credits (3)
- HT 334 - Restaurant Management Credits (3)
- HT 335 - Lodging and Resort Management Credits (3)
- HT 336 - Club Management Credits (3)
- HT 337 - Meeting, Convention, and Event Planning Credits (3)
- HT 238 - Travel & Tourism Credits (3)
- HT 239 - Cost Control in the Hospitality and Tourism Industry Credits (3)
- HT 431 - Hospitality and Tourism Marketing Credits (3)
- HT 432 - Hospitality Supervision Credits (3)
- HT 436 - Tourism Planning and Development Credits (3)
- HT 437 - Bar and Beverage Operations Credits (3)

Marketing, Minor

Total number of hours for the program 18
The minor, which is open to nonbusiness majors only, requires 18 hours including
- MKT 201 - Marketing Planning and Strategy Credits (3)
- MKT 411 - Marketing Strategy (for non-marketing majors) Credits (3)
And 12 hours of electives
Selected from other junior-senior level marketing courses
Depending on the electives selected, course prerequisites may add additional hours. Please check the catalog description for specific requirements.
The College of Education and Allied Professions seeks to prepare professional personnel for the schools and colleges of the state and region and for other educational and service agencies. It coordinates all teacher education curricula at the university and provides services to individuals, schools, and regional educational and professional agencies. It undertakes continuous evaluation to assure curricula and professional services of high quality and coordinates the screening, selection, and counseling of students pursuing programs of study in the school.

The Bachelor of Science and Bachelor of Science in Education degrees are awarded upon completion of the undergraduate programs offered in the college. The Bachelor of Science degree is awarded in birth-kindergarten, psychology, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education but must fulfill all requirements of an approved teacher education program.

**Major**

**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 Professions. For degree requirements, please see the listing under B M Music, Concentrations in Music Education.

**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 National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in teacher education programs. The state and NCATE 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.

**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, or health and physical education. The concentration areas available are the following: anthropology, art, biology, Cherokee (Language/Culture), communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social
Second Academic Concentrations
(18 Hours must be completed for each concentration)
Please select one of the following
1 Anthropology Hours 18
Required courses
   • ANTH 260 - Cultural and Social Anthropology Credits (3)
Additional courses
Select 15 additional hours from upper level Anthropology courses
2 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
3 Biology Hours 18
Required courses
   • BIOL 140 - Principles of Biology I Credits (4)
   • BIOL 141 - Principles of Biology II Credits (4)
   • BIOL 304 - General Ecology Credits (3)
   • BIOL 333 - Cell and Molecular Biology Credits (4)
   • BIOL 496 - Senior Seminar Credits (1)
4 Cherokee Hours 18
Choice of either a language or cultural competency concentration
Language Concentration
Required
Select 12 hours in Cherokee Language from the following
   • CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World Credits (3)
   • CHER 132 - Elementary Cherokee II Credits (3)
   • CHER 231 - Intermediate Cherokee I Credits (3)
   • CHER 232 - Intermediate Cherokee II Credits (3)
   • CHER 310 - Introduction to Cherokee Literature Credits (3)
   • CHER 351 - Phonetics and General Linguistics Credits (3)
   and other approved courses
   • HIST 445 - Cherokee History Credits (3)
Electives
One approved elective
Cultural Competency Concentration
Required
Three hours of Cherokee Language (CHER 101 or equivalent) and
- HIST 445 - Cherokee History Credits (3)

Elective Hours

Twelve hours from at least two other disciplines
- ANTH 379 - Cherokee Arts and Crafts Credits (3)
- ANTH 431 - North American Prehistory Credits (3)
- ANTH 461 - Indians of North America Credits (3)
- ANTH 473 - Contemporary Cherokee Culture and Society Credits (3)
- ASI 494 - Topics in Cherokee Studies Credits (3, R6)
- ENGL 464 - Native American Literature Credits (3)
- HIST 175 - Native American Civilizations Credits (3)
- PAR 367 - Native American Religions Credits (3)
(or approved courses)

5 Organizational Communication Hours 18
Required Courses
- COMM 150 - Interpersonal and Small Group Communication Credits (3)
- COMM 345 - Public and Mediated Speaking Credits (3)

Additional Courses
Select 12 hours from
- COMM 215 - Organizational Communication Credits (3)
- COMM 312 - Small Group Communication Credits (3)
- COMM 313 - Conflict Resolution Credits (3)
- COMM 346 - Communications Ethics and Responsibilities Credits (3)
- COMM 350 - Communication Theory and Criticism Credits (3)
- COMM 414 - Gender Communication Credits (3)
- COMM 415 - Intercultural Communication Credits (3)
- COMM 416 - Communication Training and Development Credits (3)
- COMM 493 - Selected Topics in Communication Credits (3, R9)

6 English Hours 18
Required courses
- ENGL 312 - Grammar for Teachers Credits (3)
- ENGL 414 - Fundamentals of Teaching Composition Credits (3)

7 Health Promotion and Wellness Hours 18
Required courses
- COUN 325 - Survey of Human Development Credits (3)
- HPE 350 - Current Health Problems Credits (3)
- HPE 312 - Health Education Pedagogy Credits (3)
- ND 330 - Human Nutritional Needs Credits (3)

Additional courses
Select 6 hours from
- ENVH 230 - Introduction to Environmental Health Science Credits (3)
- HEAL 250 - First Aid and Safety Education Credits (2)
  (for non-PE majors)
- ATTR 150 - Introduction to Athletic Training Credits (3) (2 Lecture, 1 Lab)
- PE 240 - Care and Prevention of Athletic Injuries (3)
- HPE 355 - Fitness Concepts Credits (3)
  (for non-PE majors)
- PE 365 - Physical Activity and Aging Credits (3)
- PE 375 - Psychological Aspects of Physical Activity Credits (3)
- PSY 331 - Human Sexuality Credits (3)
- PSY 426 - Death and Dying Credits (3)
- SOC 365 - Marriage and Family Credits (3)

**Note**
Selecting HEAL 250 and/or PE 255 will result in 19 hours in the SAC. Students may take either SM 213 or HSCC 150.

8 History Hours 18

- Required courses
  - HIST 231 - American History to 1865 Credits (3)
  - HIST 232 - American History Since 1865 Credits (3)

- Additional courses
  Select 12 hours of junior-senior level history courses
9 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 322 - Theory of Arithmetic II 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 (3)
- MATH 301 - History of the Scientific Revolution Credits (3)
- MATH 400 - History of Mathematics Credits (3)

10 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

11 Philosophy Hours 18

Required courses
- PAR 102 - Western Moral Traditions Credits (3)
- PAR 230 - Legal, Scientific, & Critical Reasoning Credits (3)

Additional courses
Select 12 hours of philosophy or religion courses at the junior-senior level

12 Political Science Hours 18

Required courses
- PSC 150 - American Government and Politics Credits (3)

Additional courses
Select 15 hours from any 200 level and above Political Science courses

13 Psychology Hours 18

Required course
- PSY 150 - General Psychology Credits (3)

Additional courses
Select 3 hours from
- PSY 210 - Social Psychology Credits (3)
- PSY 313 - Organizational and Industrial Psychology Credits (3)
- PSY 331 - Human Sexuality Credits (3)
- PSY 333 - Psychology of Sex Differences Credits (3)
- PSY 360 - Psychological Testing Credits (3)
- PSY 440 - Biological Psychology Credits (3)
- PSY 444 - Cognitive Psychology Credits (3)
- PSY 448 - Human Neuropsychology Credits (3)
- PSY 455 - History of Psychology Credits (3)

3 hours from
- PSY 363 - Behavioral Intervention Credits (3)
- PSY 430 - Personality Credits (3)
- PSY 441 - Health Psychology Credits (3)
- PSY 470 - Abnormal Psychology Credits (3)
- PSY 474 - The Emotionally Disturbed Child and Adolescent Credits (3)

6 Hours of Psychology electives
(excluding PSY 320 and PSY 321)

14 Social Sciences Hours 18

Available only to Middle Grade majors Select 6 hours in each of the following three categories One of the choices must be a geography course, and all courses must be exclusive of liberal studies

Category I
- HIST 222 - European History Since 1517 Credits (3)

And one of the following
- GEOG 350 - Economic Geography Credits (3)
  (Recommended)
- GEOG 440 - Regional Geography Credits (3, R12)
  (if European or South American topic)
- HIST 311 - Ancient Greece and Rome Credits (3)
- HIST 313 - The High Middle Ages Credits (3)
- HIST 317 - History of Twentieth-Century International Relations Credits (3)
- HIST 322 - British History to 1603 Credits (3)
- HIST 323 - British History Since 1603 Credits (3)
- HIST 327 - Modern Russia Credits (3)
  (Recommended)
- HIST 330 - Modern Germany Credits (3)
- HIST 361 - Latin American History I Credits (3)
- HIST 362 - Latin American History II Credits (3)
- HIST 412 - Early Modern Europe Credits (3)
- HIST 413 - Europe in the Eighteenth Century Credits (3)
- HIST 414 - Europe in the Nineteenth Century Credits (3)
- HIST 416 - Europe in the Twentieth Century Credits (3)
- HIST 425 - Modern European Military History Credits (3)
- HIST 493 - Topics in History Credits (1-3, R12)
  (if European or South American topic)
- PSC 215 - European Political Systems Credits (3)
  (Recommended)
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 345 - Ancient and Medieval Political Thought Credits (3)
- PSC 346 - Modern Political Thought Credits (3)
- PSC 415 - Contemporary British Politics Credits (3)

Category II
Two of the following
- ANTH 477 - Cultures of subSaharan Africa Credits (3)
  (Recommended)
- GEOG 440 - Regional Geography Credits (3, R12)
  (if Asian or African topic)
- HIST 107 - World Cultures in Historical Perspective Credits (3)
  (Recommended)
- HIST 373 - Modern Asia Credits (3)
  (Recommended)
- HIST 375 - Middle East since Mohammed Credits (3)
  (Recommended)
- HIST 411 - Western Imperialism, 1500 to the Present Credits (3)
- HIST 493 - Topics in History Credits (1-3, R12)
  (if Asian or African topic)
- PSC 216 - Politics of Developing Areas Credits (3)
- PSC 317 - Politics of East Asia Credits (3)
- PSC 333 - International Law Credits (3)
- PSC 335 - Problems in World Politics Credits (3)
- PSC 436 - Dynamics of World Order Credits (3)
- PSC 493 - Topics in Contemporary Political Systems Credits (3, R6)
  (if Asian or African topic)
• SOC 434 - Regional and Societal Development Credits (3)

Category III

• HIST 341 - North Carolina History Credits (3)

And one of the following

• GEOG 440 - Regional Geography Credits (3, R12)
  (if North Carolina topic)
• HIST 431 - Colonial America, 1492-1763 Credits (3)
• HIST 432 - The Revolutionary Era, 1763-1800 Credits (3)
• HIST 433 - The Young Republic, 1800-1848 Credits (3)
• HIST 434 - Civil War and Reconstruction, 1848-1877 Credits (3)
• HIST 435 - Emergence of Industrial America, 1877-1929 Credits (3)
• HIST 436 - The United States Since 1929 Credits (3)
• HIST 442 - African American History Credits (3)
• HIST 443 - The American South Credits (3)
  (Recommended)
• HIST 445 - Cherokee History Credits (3)
• HIST 446 - Southern Appalachian History Credits (3)
  (Recommended)
• HIST 448 - The American West Credits (3)
• HIST 451 - American Women's History Credits (3)
• HIST 454 - American Military History Credits (3)
• HIST 455 - American Religious History Credits (3)
• PSC 347 - American Social and Political Eras Credits (3)
• PSC 408 - Southern Politics Credits (3)
  (Recommended)

15 Sociology Hours 18

Required courses

• SOC 103 - Human Society Credits (3)

Additional courses
Select 15 hours from any 200-level and above sociology course

16 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 Second-Year Spanish Credits (6)
  or equivalent
• SPAN 301 - Spanish Conversation & Composition Credits (3)
  and
• SPAN 302 - Topics of the Hispanic World II Credits (3)

Additional courses
Select 3 additional hours from upper level Spanish courses

191
Course Requirements in the Program

The teacher education program requires a professional education sequence of twenty-three (23) to thirty (30) semester hours in courses pertinent to teaching in specific licensure areas and at various levels. All courses in the sequence except internship/student teaching and the internship/student-teaching seminar must be completed before admission to internship or student teaching. The courses in the sequence are determined by the student's major.

**Birth-Kindergarten (30 hours)**

- BK 250 - Introduction to Birth-Kindergarten Credits (3)
- BK 482 - Internship I Credits (6)
- BK 483 - Internship Credits (10, R20)
- BK 496 - Internship Seminar Credits (2, R4)
- SPED 313 - Assessment of the Young Child Credits (3)
- SPED 345 - Adaptations and Modifications for Young Children with Disabilities Credits (3)

**Elementary and Middle Grades (24 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ELMG 484 - Supervised Internship I Credits (3)
- ELMG 485 - Supervised Internship II Credits (9)
- ELMG 495 - Seminar for Student Teachers Credits (3)

**Special Education (27 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 312 - Teaching Elementary Students with Learning Problems (K-6) Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- SPED 484 - Special Education Internship I Credits (1-3)
- SPED 490 - Supervised Student Teaching Credits (9)
- SPED 495 - Special Education Seminar Credits (3)

**Secondary Education**

**English Education (27 hours)**

- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ENGL 417 - Methods for Teaching English Credits (3)
- ENGL 491 - Supervised Student Teaching in English, 9-12 Credits (3)
- EDSE 484 - Supervised Internship I Credits (1-3)
- EDSE 485 - Internship II Credits (6)
- EDSE 495 - Seminar Credits (3)
Mathematics Education (24 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits (3)
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Science Education (23 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Social Science Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- HIST 405 - Methods for Teaching Social Sciences Credits (3)
- HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 Credits (3)
- EDSE 484 - Supervised Internship I Credits (1-3)
- EDSE 485 - Internship II Credits (6)
- EDSE 495 - Seminar Credits (3)

Special Subjects Teaching (K-12)

Art Education (42 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ART 463 - Art Methods for the Middle and High School Credits (3)
- ART 491 - Supervised Student Teaching in Art, K-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Health and Physical Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
• SPED 339 - Designing Classrooms as Responsive Learning Communities 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)

Music Education (24 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction 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)
• MUS 491 - Supervised Student Teaching in Music, K-12 Credits (3)
• EDSE 490 - Supervised Student Teaching Credits (6)
• EDSE 495 - Seminar Credits (3)

Spanish Education (26 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
• SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
• SPAN 420 - Teaching Foreign Language Credits (3)
• SPAN 491 - Student Teaching, 9-12 Credits (3)
• EDSE 322 - Principles and Methods of Teaching Credits (2)
• EDSE 490 - Supervised Student Teaching Credits (6)
• EDSE 495 - Seminar Credits (3)

17 Theatre Hours 18

Required courses
• THEA 131 - Introduction to Professions Credits (3)
• THEA 140 - Acting I Credits (3)
• THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) Credits (3)
• THEA 350 - Directing I Credits (3)
• THEA 400 - History of the Theatre I Credits (3)
or
• THEA 401 - History of the Theatre II Credits (3)

Admission to the Teacher Education Program

Acceptance and registration in a department do not guarantee admission to the teacher education program in that department. A student is not officially in a teacher education program until approved by the Professional Education Council. 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 at the following URLs:

http://thehandbook.wcu.edu

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 102 is required before beginning Internship I or student teaching).
3. Earned (and then maintain) a minimum cumulative GPA of 2.5 (2.75 for students in Birth-Kindergarten, Elementary Education, Health and Physical Education, and Middle Education).
4. Achieved the minimum required scores on the SAT, ACT or Pre-Professional Skills Test (Praxis I (Reading, Writing, Mathematics),
5. Complete the M5-336 Dispositions Scale via TaskStream.
6. Complete the Professional Beliefs About Diversity Scale via TaskStream.
7. 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 earn minimum scores on the PPST). They 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 2.5 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 I 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 at the first term after returning. Applicants with a record of legal offenses may not be eligible for admission to teacher education.

Applications for admission to teacher education are considered and acted upon by the Professional Education Council.

Continuation in the Teacher Education Program

The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted (2.75 for students in Birth-Kindergarten, Elementary Education, Health and Physical Education, and Middle Grades Education), (2) behavior which adheres to the code of ethics of the profession, and (3) satisfactory participation in the required professional laboratory 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 experiences placements are made so that students have the opportunity to work with
qualified educators in successful programs.

2. Field experiences 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 experiences 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 2.5 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 (2.75 GPA required for birth-kindergarten, elementary
education, health and physical education, and middle grades majors), (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 test if applicable, (7)
receive a professional recommendation for Initial "A" level license by the dean 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

North Carolina Teaching Fellows
North Carolina Teaching Fellows must complete requirements in addition to those for regular
teacher education students

Minor

Education and Allied Professions Multi-Media, Minor

Total number of hours for the program 18
The minor will consist of 18 hours with nine hours of core courses and nine hours of elective
courses. Students will take one course in each of the three core areas

Visual
Choose from
- ART 420 - Intermedia in Contemporary Culture Credits (3)
- ENGL 313 - Authoring Multimedia Credits (3, R6)

Audio
- MUS 383 - Music and Audio in Media Credits (3)

Textual
Choose
- COMM 404 - Desktop Publishing Credits (3, R6)
or
- ENGL 304 - Writing for Electronic Environments Credits (3)

The remaining nine hours will be selected
From other core courses and these additional courses involving multimedia history and technology
- EDCD 372
- EDEL 466
- EDEL 472
- ECET 301
- ECET 302
- ART 479 - Motion Graphics II Credits (3, R6)
- ENGL 305 - Technical Writing Credits (3)
- ENGL 307 - Professional Editing and Publishing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- MUS 181 - Introduction to MIDI/Synthesis Credits (1)
- MUS 283 - Music Technology Methods Credits (1)

Requirements

Professional Education Sequence (23 to 30 hours)
The teacher education program requires a professional education sequence of twenty-three to thirty semester hours in courses pertinent to teaching in specific licensure areas and at various levels. Admission to Teacher Education is required to take any course in the sequence, except EDCI 201 (or BK 250). All courses in the sequence except internship/student teaching and the internship/student-teaching seminar must be completed before admission to internship or student-teaching. The courses in the sequence are determined by the student's major.

Birth-Kindergarten (30 hours)
- BK 250 - Introduction to Birth-Kindergarten Credits (3)
- SPED 313 - Assessment of the Young Child Credits (3)
- SPED 345 - Adaptations and Modifications for Young Children with Disabilities Credits (3)
- BK 482 - Internship Credits 6
- BK 483 - Internship Credits (10, R20)
- BK 496 - Internship Seminar Credits (2, R4)

Elementary & Middle Grades Education (24 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 312 - Teaching Elementary Students with Learning Problems (K-6) Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ELMG 484 - Supervised Internship I Credits (3)
- ELMG 485 - Supervised Internship II Credits (9)
- ELMG 495 - Seminar for Student Teachers Credits (3)

Special Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 312 - Teaching Elementary Students with Learning Problems (K-6) Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- SPED 484 - Special Education Internship I Credits (1-3)
- SPED 490 - Supervised Student Teaching Credits (9)
- SPED 495 - Special Education Seminar Credits (3)

Secondary Education

English Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ENGL 417 - Methods for Teaching English Credits (3)
- ENGL 491 - Supervised Student Teaching in English, 9-12 Credits (3)
- EDSE 484 - Supervised Internship I Credits (1-3)
Mathematics Education (24 hours)
- EDSE 485 - Internship II Credits (6)
- EDSE 495 - Seminar Credits (3)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School Credits (3)
- MATH 491 - Supervised Student Teaching in Mathematics, 9-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Science Education (23 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- SCI 491 - Supervised Student Teaching in the Sciences, 9-12 Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Social Science Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- HIST 405 - Methods for Teaching Social Sciences Credits (3)
- HIST 491 - Supervised Student Teaching in Social Sciences, 9-12 Credits (3)
- EDSE 484 - Supervised Internship I Credits (1-3)
- EDSE 485 - Internship II Credits (6)
- EDSE 495 - Seminar Credits (3)

Special Subjects Teaching (K-12)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ART 463 - Art Methods for the Middle and High School Credits (3)
- ART 491 - Supervised Student Teaching in Art, K-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Art Education (24 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ART 463 - Art Methods for the Middle and High School Credits (3)
- ART 491 - Supervised Student Teaching in Art, K-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)
Health and Physical Education (27 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities 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)

Music Education (24 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction 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)
- MUS 491 - Supervised Student Teaching in Music, K-12 Credits (3)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Spanish Education (26 hours)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPAN 420 - Teaching Foreign Language Credits (3)
- SPAN 491 - Student Teaching, 9-12 Credits (3)
- EDSE 322 - Principles and Methods of Teaching Credits (2)
- EDSE 490 - Supervised Student Teaching Credits (6)
- EDSE 495 - Seminar Credits (3)

Educational Leadership and Foundations

Meagan Karvonen, head
A Alexander, A Allen, F Buskey, P Buskey, J Cunningham, C Daly, M J Herzog, E Hilty, C Hurley, J Jacobs, K T Jorissen M Karvonen, S Meltzer, B Montrosse, K Pennington, L Szlizewski, S Tonnsen

Major
Secondary and Special Subject Teaching, B S.ED.

Total number of hours for the program 120-128
Degree requirements are as specified for the respective degree programs in the appropriate departmental sections of this catalog
The subject areas in which majors are available are:

**Secondary Teaching (grades 9-12)**
- Comprehensive Science
- English
- Mathematics
- Social Sciences

**Special Subject Teaching (grades K-12)**
- Art
- Physical Education Spanish
- Music
- (General)

Students holding a degree other than a Bachelor of Science in Education may be admitted to the teacher education program and earn teacher licensure. Consult your adviser or department head. You may also contact the licensure specialist in the College of Education and Allied Professions to learn more about alternative routes to teacher licensure.

Additional Information
Visit the department's website at http://www.wcu.edu/3067.asp to view the 8 semester curriculum guide.

**Elementary and Middle Grades Education**

*William Dee Nichols, Department Head*
*Regina Aton, Office Manager*
*Patricia Brunker, Rus Binkley, Vicki Faircloth, Terre Folger, Tommy Hodges, Robert Houghton, Nancy Lucke, Carrie Barnes Rigers, Terry Rose, Roya Scales, Dave Strahan*

**The Elementary Education and Middle Grades Programs**
Admission and retention policies in the Elementary Education and Middle Grades programs are based on the standards and guidelines of the State of North Carolina and the National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in the program. The state and NCATE guidelines require continuous evaluation of students admitted to the programs.

**Major**

**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 and earn and maintain a 2.75 cumulative GPA before being admitted. In order to be admitted, students must complete an application for admission in EDCI 201 and achieve minimum required scores in Reading, Writing, and Mathematics on PRAXIS I. Students will also complete a personality trait survey in EDCI 201, which will be viewed prior to admission (see Admission to Teacher Education Program). Students admitted to the program must maintain a 2.75 GPA or better to continue in the 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: ENGL 101, ENGL 102. 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 licensing.

Admission to the Professional Education Sequence in Elementary Education
Students in the Professional Education must be admitted to the Teacher Education Sequence 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. The elementary education professional education sequence includes EDCI 201, PSY 323, SPED 339, ELMG 485 and ELMG 495.

Continuation in the Elementary Education Program
The requirements for continuing in the program are (1) a GPA of at least 2.75 on hours attempted (2) behaviors and dispositions which adhere to the code of ethics of the profession and (3) satisfactory participation and completion in the required professional field experiences including ELMG 390, which are prerequisites to internship. An evaluation of each field experience assignment will become a part of the teacher candidate's professional record. 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 SAC's can count toward Liberal Studies and can affect the total number of hours to come degree. MATH 321 and MATH 322 are Liberal Studies of which 3 hours count toward Liberal Studies in the degree.

Liberal Studies Hours 42

Liberal Studies Program Requirements

Professional Education Sequence for Elementary & Middle Grades
The Professional Education Sequence for Elementary & Middle Grades 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
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- ELMG 484 - Supervised Internship I Credits (3)
- ELMG 485 - Supervised Internship II Credits (9)
- ELMG 495 - Seminar for Student Teachers Credits (3)

Elementary Education Major Course Requirements
The major course requirements for Elementary Education includes as follows:

- ELMG 201 - Seminar for Teacher Leadership (1) Credits (1)
- PE 361 - Physical Education for the Elementary Teacher Credits (1)
- MUS 301 - Basic Skills Credits (1)
- ART 363 - Art for Children Credits (1)
- * MATH 321 - Theory of Arithmetic I Credits (3)
- * MATH 322 - Theory of Arithmetic II Credits (3)
- EDEL 418 - Mathematics Methods Grades K-3 Credits (3)
- EDRD 303 - Children's Literature in the 21st Century Credits (3)
- PSY 320 - Child and Adolescent Development Credits (3)
- EDRD 334 - Foundations of Reading/Language Development & Instruction Credits (3)
* Indicates that this courses count toward General Education Requirements as well
You must be fully admitted into the Professional Education Sequence and have a 2.75 cumulative GPA to take these courses
- EDEL 432 - Intergrated Curriculum Credits (3)
- EDEL 466 - Digital Literacy Methods for Grades K-9 Credits (3)
- EDEL 416 - Science Methods for Grade K-6 Credits (3)
- EDEL 417 - Social Studies Methods for Grades K-6 Credits (3)
- EDEL 311 - Kindergarten and Primary Curriculum Credits (3)
- ELMG 390 - Practicum I Credits (2)
- EDEL 323 - Seminar for Responsive Instruction Credits (1)
- EDEL 419 - Mathematics Methods Grades 3-6 Credits (3)
- EDEL 339 - Seminar for Creating Responsive Learning Communities in the Elementary Grades Credits (1)
- EDEL 415 - Language Arts Methods for Grades K-6 Credits (3)
- EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs Credits (3)
Additional Information
For additional information visit the department's website at http://ceap.wcu.edu/EMGE/index.html
Reading Add-On-Licensure
- EDEL 415 - Language Arts Methods for Grades K-6 Credits (3)
  or
- EDMG 415 - Language Arts Methods Grades 6-9 Credits (3)
- EDRD 303 - Children's Literature in the 21st Century Credits (3)
- EDRD 334 - Foundations of Reading/Language Development & Instruction Credits (3)
- EDRD 443 - Middle Grades Reading Credits (3)
- EDRD 453 - High School and Adult Reading Credits (3)
- EDRD 467 - Adolescent Literature Credits (3)
- EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs Credits (3)
  Guided Electives  Choose one of the following or another elective as approved by the department head
- EDRD 389 - Cooperative Education in Reading Credits (1 or 3, R15)
- ENGL 415 - Linguistics Credits (3)
- ENGL 416 - Teaching English as a Second Language 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 complete an application for admission and the personality trait survey (See Admission to Teacher Education Program). Students admitted to the second degree program are not required to take the PRAXIS I 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 102. 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 Sequence 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. The elementary education professional education sequence includes EDCI 201, PSY 323, SPED 339, ELMG 484, ELMG 485, and ELMG 495.

Continuation in the Elementary Education Second Degree Program

The requirements for continuing in the program are (1) a GPA of at least 2.75 on hours attempted, (2) behaviors and dispositions which adhere to the code of ethics of the profession, and (3) satisfactory participation and completion in the required professional field experiences including ELMG 390, which are prerequisites to internship. An evaluation of each field experience assignment will become a part of the teacher candidate’s professional record. 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:

- PE 361 - Physical Education for the Elementary Teacher Credits (1)
- MUS 301 - Basic Skills Credits (1)
- ART 363 - Art for Children Credits (1)
- MATH 321 - Theory of Arithmetic I Credits (3)
- MATH 322 - Theory of Arithmetic II Credits (3)
- EDRD 303 - Children's Literature in the 21st Century Credits (3)
- EDEL 418 - Mathematics Methods Grades K-3 Credits (3)
- PSY 320 - Child and Adolescent Development Credits (3)
- EDRD 334 - Foundations of Reading/Language Development & Instruction Credits (3)
- EDEL 432 - Intergrated Curriculum Credits (3)
- EDEL 416 - Science Methods for Grade K-6 Credits (3)
- EDEL 417 - Social Studies Methods for Grades K-6 Credits (3)
- EDEL 311 - Kindergarten and Primary Curriculum Credits (3)
- ELMG 390 - Practicum I Credits (2)
Middle Grades Education, B.S.Ed.

Total number of hours for program: 128

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 earn and maintain a 2.75 cumulative GPA before being admitted. In order to be admitted students must complete an application for admission in EDCI 201 and achieve minimum required scores in Reading, Writing and Mathematics on PRAXIS I. Students will also complete a personality trait survey in EDCI 201 which will be viewed prior to admission. (See Admission to Teacher Education Program) Students admitted to the program must maintain a 2.75 GPA or better to continue in the program. 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 ENGL 101, ENGL 102 and MATH 322. 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 Sequence 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. The elementary education professional education sequence includes EDCI 201, PSY 323, SPED 339, ELMG 484, ELMG 485 and ELMG 495.

Continuation in the Middle Grades Education Program

The requirements for continuing in the program are (1) a GPA of at least 2.75 on hours attempted (2) behaviors and dispositions which adhere to the code of ethics of the profession and (3) satisfactory participation and completion in the required professional field experiences which are prerequisites to internship. An evaluation of each field experience assignment will become a part of the teacher candidate’s professional record. 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

Liberal Studies Program Requirements

Major in Middle Grades Education B.S.Ed. Degree

- Liberal Studies (42 hours including 3 hours of Freshman Seminar)
- Middle Grades Concentration Must complete 2 concentrations in Language Arts, Mathematics, Science and Social Studies (24-25 hours per concentration depending on the concentration)

Middle Grades Major Course Requirements
The major requires 19 hours in core courses as follows

- EDMG 410 - The Middle School Child and Curriculum Credits (3)
- EDMG 411 - Differentiated Instruction in Middle Grades Education Credits (3)
- EDMG 420 - Responsive Assessment & Classroom Management Credits (3)
- EDMG 466 - Digital Literacy Methods Grades 6-9 Credits (3)
- EDRD 443 - Middle Grades Reading Credits (3)
- EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs Credits (3)
- ELMG 201 - Seminar for Teacher Leadership (1) Credits (1)

Two concentrations from the options below

Each concentration area must have a minimum of 24 hours in the discipline area and may include at least one "methods" course in the area

NOTE Science concentration has 25 hours, including the methods course

Language Arts 24 hours

- EDRD 467 - Adolescent Literature Credits (3)
- EDMG 415 - Language Arts Methods Grades 6-9 Credits (3)
- ENGL 102 - Composition II Credits (3)
- ENGL 312 - Grammar for Teachers Credits (3)
- ENGL 319 - The Teaching of Grammar Credits (3)
- ENGL 414 - Fundamentals of Teaching Composition Credits (3)
  or
- ENGL 416 - Teaching English as a Second Language Credits (3)

6 hours in literature from

- ENGL 231 - The Interpretation of Literature Credits (3)
- ENGL 465 - Topics in African American Literature Credits (3)
- ENGL 390 - The Bible as Literature Credits (3)
- ENGL 420 - Chaucer and His Age Credits (3)
- ENGL 421 - Fairy Tale Literature Credits (3)
- ENGL 440 - Milton and His Age Credits (3)
- ENGL 464 - Native American Literature Credits (3)
- ENGL 477 - Literature and Gender Credits (3)

Mathematics 24 hours

- EDMG 419 - Mathematics Methods Grades 6-9 Credits (3)
- MATH 146 - Precalculus Credits (4)
- MATH 170 - Applied Statistics Credits (3)
- MATH 311 - Informal Geometry Credits (3)
- MATH 321 - Theory of Arithmetic I Credits (3)
- MATH 322 - Theory of Arithmetic II Credits (3)

Select one of the following

- MATH 140 - Introductory Calculus Credits (5)
  or
- MATH 153 - Calculus I Credits (4)
  (plus one elective)

Science 25 hours

- AST 103 - The Solar System Credits (3)
- BIOL 103 - Environmental Biology Credits (3)
- BIOL 140 - Principles of Biology 1 Credits (4)
  (plus lab)
- CHEM 132 - Survey of Chemistry 1 Credits (4)
  (plus lab)
- EDMG 416 - Science Methods Grades 6-9 Credits (3)
- GEOL 150 - Methods in Geology Credits (4)
  (plus lab)
- PHYS 130 - Introductory Physics 1 Credits (4)
  (plus lab)

Social Studies 24 hours
- HIST 221 - European History to 1517 Credits (3)
- HIST 341 - North Carolina History Credits (3)
  (meets upper level perspective requirement)

South America and Europe
Select two from the following
- GEOG 350 - Economic Geography Credits (3)
- HIST 327 - Modern Russia Credits (3)
- PSC 215 - European Political Systems Credits (3)
- PSC 219 - Latin American Political Systems Credits (3)
- PSC 415 - Contemporary British Politics Credits (3)
- PSC 416 - British Legal Studies Credits (3-6, R6)

Africa, Asia, and Australia
Select two from the following
- ANTH 477 - Cultures of subSaharan Africa Credits (3)
- GEOG 440 - Regional Geography Credits (3, R12)
  (Asian or African topic)
- GEOG 444 - Political Geography 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)
- PSC 216 - Politics of Developing Areas Credits (3)
- PSC 317 - Politics of East Asia Credits (3)
- PSC 335 - Problems in World Politics Credits (3)

World History
Select two from the following
- ANTH 361 - World Prehistory Credits (3)
- ANTH 363 - Human Origins Credits (3)
- ANTH 431 - North American Prehistory Credits (3)
- EDMG 417 - Social Studies Methods Grades 6-9 Credits (3)
- HIST 107 - World Cultures in Historical Perspective Credits (3)
- HIST 182 - The Ancient Empires Credits (3)
- HIST 311 - Ancient Greece and Rome Credits (3)
- HIST 312 - The Heroic Age Credits (3)
- HIST 313 - The High Middle Ages Credits (3)
- HIST 317 - History of Twentieth-Century International Relations Credits (3)
• PSC 436 - Dynamics of World Order Credits (3)

Professional Education Sequence, 27 hours

• EDCI 231 - Historical, Social, and Philosophical Foundations of Education 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 321 - Educational Psychology Credits (3)
• SPED 337 - Teaching Exceptional Children in Elementary and Middle Grades Credits (3)

Select one of the following

• PSY 320 - Child and Adolescent Development Credits (3)
• PSY 322 - Adolescent Development Problems and Achievements Credits (3)

General Electives 0-2 hours

Additional requirements
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 department's website at http://ceap.wcu.edu/EMGE/MiddleGrades/index.html to view the 8 semester curriculum guide.

Reading Add-On-Licensure

• EDEL 415 - Language Arts Methods for Grades K-6 Credits (3)
  or
• EDMG 415 - Language Arts Methods Grades 6-9 Credits (3)
• EDRD 303 - Children's Literature in the 21st Century Credits (3)
• EDRD 334 - Foundations of Reading/Language Development & Instruction Credits (3)
• EDRD 443 - Middle Grades Reading Credits (3)
• EDRD 453 - High School and Adult Reading Credits (3)
• EDRD 467 - Adolescent Literature Credits (3)
• EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs Credits (3)
Guided Electives Choose one of the following or another elective as approved by department head
• EDRD 389 - Cooperative Education in Reading Credits (1 or 3, R15)
• ENGL 415 - Linguistics Credits (3)
• ENGL 416 - Teaching English as a Second Language Credits (3)

Health, Physical Education, and Recreation

Bob Beaudet, interim head
D Claxton, D Grube, J Menickelli, W Papin, M Phipps, M Schade D Singleton, B Tholkes, D Troy, M Troy, C Tuten, G Wells

Major

Health and Physical Education, B S ED.

Total number of hours for the program 128
Major Requirements

The major requires 59 hours as follows:

- HPE 212 - Foundations of Health and Physical Education Credits (3)
- HPE 223 - Applied Kinesiology I - Anatomy, Physiology & Biomechanics Credits (4)
- HPE 225 - Applied Kinesiology II - Exercise Physiology 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 Physical Education Credits (3)
- HPE 311 - Evaluation & Assessment in Health & Physical Education Credits (2)
- 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 & Gymnastics Credits (2)
- HPE 354 - Lifetime Sport & Physical Activity I Credits (3)
  or
- HPE 364 - Lifetime Sport & Physical Activity II 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 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 the 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 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)

Additional 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. A cumulative GPA of 2.75 is required to remain in the major.

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 programs or activities are encouraged.
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

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

Parks and Recreation Management, B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 43-45 hours as follows

- PRM 250 - Foundations of Parks and Recreation Management Credits (3)
- PRM 254 - Introduction to Outdoor Pursuits Education Credits (4)
- PRM 270 - Leadership and Group Dynamics in Recreation Credits (3)
- PRM 350 - University & Career Planning in PRM Credits (1)
- PRM 361 - Program Planning and Evaluation in Parks and Recreation Management Credits (4)
- PRM 370 - Internship Orientation Credits (1)
- PRM 383 - Internship in Parks and Recreation Management Credits (1, R3) (mini-internships) (1 credit, repeat 3 times for a total of 3 credits)
- PRM 430 - Entrepreneurship and Commercial Recreation Credits (3)
- PRM 433 - Outdoor Recreation Credits (3)
- PRM 461 - Management and Administration of PRM Services Credits (3)
- PRM 480 - Independent Study Credits (1-3, R6)
- PRM 483 - Capstone Internship in Parks and Recreation Management Credits (6)
- PRM 495 - Senior Seminar in Parks and Recreation Management Credits (1)
- RTH 250 - Inclusion and Recreation for People with Disabilities Credits (3)

And Either

- HEAL 250 - First Aid and Safety Education Credits (2)
- or
- PRM 356 - Outdoor First Aid Credits (4)

Concentrations, at least 12 hours selected from the following

Community Recreation Concentration
- PE 264 - Skill Acquisition Credits (1)
- PE 265 - Sports Officiating 1, Credits (2)
- PE 410 - Coaching Baseball and Football Credits (3)
- PE 411 - Coaching Basketball, Track, and Field Credits (3)
- PRM 340 - Challenge Course Facilitation Credits (3)
- PRM 352 - Beginner/Intermediate Canoe and Kayak Credits (3)
- PRM 420 - Administration and Leadership of Outdoor Pursuits Credits (3)
- PRM 427 - Wilderness Education Credits (3-6)
- PRM 434 - High Adventure Travel and Outfitting Credits (3)
- PRM 435 - Park and Recreation Sites, Facilities, and Programs Credits (1-6, R6)
- PRM 440 - Travel and Tourism Credits (3)
SM 315 - Introduction to Intramurals and Recreational Sport Management Credits (3)
SM 435 - Sport Event Management and Sponsorship Credits (3)

And Either

- PRM 330 - Aquatic Recreation Management Credits (3)
- or
- SM 330 - Aquatic Recreation Management Credits (3)

Outdoor Leadership and Instruction Concentration

- PRM 313 - Camp Counseling Credits (3)
- PRM 314 - Organization and Administration of Camping Agencies Credits (3)
- PRM 321 - Outdoor Education and Interpretation Credits (3)
- PRM 340 - Challenge Course Facilitation Credits (3)
- PRM 352 - Beginner/Intermediate Canoe and Kayak Credits (3)
- PRM 420 - Administration and Leadership of Outdoor Pursuits Credits (3)
- PRM 425 - Land-Based Outdoor Pursuits Education Credits (3)
- PRM 426 - Water-Based Outdoor Pursuits Education Credits (4)
- PRM 427 - Wilderness Education Credits (3-6)
- PRM 434 - High Adventure Travel and Outfitting Credits (3)
- PRM 486 - Field Experience Credits (1-12)
- RTH 470 - Adventure-Based Recreational Therapy Credits (3)

Commercial and Resort Recreation Concentration

- ACCT 161 - Accounting for the Non-Business Major Credits (3)
- BA 133 - Strategy First Credits (3)
- HT 130 - The Hospitality and Tourism Services Industry Credits (3)
- HT 335 - Lodging and Resort Management Credits (3)
- HT 336 - Club Management Credits (3)
- MGT 300 - Introduction to Management Credits (3)
- MGT 401 - Small Business Management Credits (3)
- PRM 340 - Challenge Course Facilitation Credits (3)
- PRM 352 - Beginner/Intermediate Canoe and Kayak Credits (3)
- PRM 425 - Land-Based Outdoor Pursuits Education Credits (3)
- PRM 426 - Water-Based Outdoor Pursuits Education Credits (4)
- PRM 427 - Wilderness Education Credits (3-6)
- PRM 434 - High Adventure Travel and Outfitting Credits (3)
- PRM 440 - Travel and Tourism Credits (3)

And Either

- PRM 330 - Aquatic Recreation Management Credits (3)
- or
- SM 330 - Aquatic Recreation Management Credits (3)

Recreation Resource Management Concentration

An approved area of study tailored to suit specific land agencies such as the National Park Service, Forest Service, Bureau of Land Management, state parks, and Army Corp of Engineers

Electives

General electives, 21-23 hours, are required to complete the program

Admission criteria

211
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://hhp.wcu.edu/ to view the 8 semester curriculum guide.

**Minor**

**Coaching, Minor**

Total number of hours for the program 18

The minor requires 18 hours. Take all of the courses listed below:

- PE 240 - Care and Prevention of Athletic Injuries Credits (3)
- PE 267 - Principles of Athletic Coaching Credits (3)
- PE 410 - Coaching Baseball and Football Credits (3)
- PE 411 - Coaching Basketball, Track, and Field Credits (3)
- PE 375 - Psychological Aspects of Physical Activity Credits (3)

**Parks and Recreation Management, Minor**

Total number of hours for the program 18

The minor requires 18 hours, including:

- PRM 250 - Foundations of Parks and Recreation Management Credits (3)
- PRM 270 - Leadership and Group Dynamics in Recreation Credits (3)

And 12 hours of approved electives.

**Physical Education, Minor**

The total number of hours for the program 23

The minor is not open to physical education majors.

The minor requires 23 hours, including:

- HEAL 250 - First Aid and Safety Education Credits (2)
- HPE 355 - Fitness Concepts Credits (3)
- HPE 256 - Physical Education Pedagogy Credits (3)
- HPE 212 - Foundations of Health and Physical Education Credits (3)
- HPE 345 - Children's Movement Credits (3)
- HPE 253 - Sport Education Credits (3)
- HPE 424 - Adapted Movement & Wellness Credits (3)
- HPE 235 - Motor Behavior Credits (3)

**Human Services**

Dale Brotherton, Head
Licensure

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.

Major

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

Liberal Studies Program Requirements

The major requires 63-66 hours as follows

33 Hour Core

- BK 250 - Introduction to Birth-Kindergarten Credits (3)
- BK 260 - Foundations of Child Study Credits (3)
- BK 361 - Environments for Young Children Credits (3)
- BK 315 - Early Childhood Literacy, Birth-5 Credits (3)
- BK 462 - Adult-Child Interaction Credits (3)
- BK 470 - Early Childhood Curriculum Credits (3)
- BK 473 - Early Childhood Assessment for Responsive Instruction Credits (3)
- BK 363 - Child Development Credits (3)
- SPED 240 - The Exceptional Child Credits (3)
- SPED 345 - Adaptations and Modifications for Young Children with Disabilities Credits (3)
- SPED 415 - Promoting the Soc Emotional Comp of Young Child Credits (3)

Professional Education Concentration, B.S. 33 hours

- BK 483 - Internship Credits (10, R20)
- BK 496 - Internship Seminar Credits (2, R4)
- BK 482 - Internship I Credits (6)
- SPED 313 - Assessment of the Young Child Credits (3)
- SPED 412 - Interagency Planning Credits (3)
- SPED 427 - Teaching Reading to Young Children w/Disabilities Credits (3)
- BK 312 - Kindergarten Curriculum Credits (3)
- BK 316 - Mathematics and Science Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
Early Childhood Concentration, BS 30 hours

- BK 366 - Infant Development and Curriculum Credits (3)
- SPED 314 - Assessment of the Young Child Credits 3
- SPED 411 - Family Collaborative Planning 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

Guided Electives

9-15 hours Suggested courses Courses approved by the BK program

Additional Requirements

Birth-Kindergarten majors must maintain an overall GPA of 2.75 or better and passing grades of "C" in all courses required in the major, regardless of concentration. If a student earns a grade below a "C" in a required course or a student's grade point average in the major falls below a 2.75, the student will not be permitted to enroll in SPED 313, SPED 314, SPED 411, SPED 412, SPED 345, BK 312, BK 315, BK 316, BK 414, BK 427, BK 457, BK 458, BK 483, and BK 482.

Admission to the Professional Education Concentration

Students in the professional education concentration must be admitted to the Teacher Education Program and are subject to all of the teacher education requirements. Though there are other program requirements that may be taken, BK 250 is the only course in the professional education sequence that may be taken before admission to teacher education. The BK professional education sequence includes BK 250, BK 312, SPED 339, BK 473, BK 482, BK 483, and BK 496.

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 B-K 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 BM faculty.

Professional Education Concentration Internships

Students are allowed to take 6 hours with Internship I (BK 482) and are not allowed to take any classes with Internship II (BK 483) and Seminar (BK 496) unless the BK faculty grants permission.

Special Education, General, B S ED

Total number of hours for program 124

Students who complete this major are eligible for North Carolina teaching licensure in Special Education General Curriculum

Total hours required is 121

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

Special education major, 45 hours as follows

- Guided electives Credits (3)
- EDEL 418 - Mathematics Methods Grades K-3 Credits (3)
- EDRD 474 - Practicum in Teaching Reading and Writing 3 hrs Credits (3)
- SPED 240 - The Exceptional Child Credits (3)
- SPED 241 - Exceptional Learners in the Adapted Curriculum Credits (3)
- SPED 310 - Evaluation of the Exceptional Child Credits (3)
- SPED 311 - Positive Behavioral Supports for Students with Severe Disabilities Credits (3)
- SPED 312 - Teaching Elementary Students with Learning Problems (K-6) Credits (3)
- SPED 344 - Assistive Technology for Severe Disabilities Credits (3)
- SPED 401 - Exceptional Learners in the General Curriculum Credits (3)
- SPED 407 - Behavioral Issues in the General Curriculum Credits (3)
- SPED 413 - Teaching Adolescents with Learning Problems Credits (3)
- SPED 414 - Curriculum and Methods for Students in the Adapted Curriculum Credits (3)
- SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities Credits (3)
- SPED 484 - Special Education Internship I Credits (1-3) 3 hours required

Concentration in one of the following (12-13 hours)

**Elementary Education, English and Mathematics**

**Concentration Options**

**Elementary Education (12 hours)**
- EDEL 415 - Language Arts Methods for Grades K-6 Credits (3)
- EDEL 416 - Science Methods for Grade K-6 Credits (3)
- or
- EDEL 417 - Social Studies Methods for Grades K-6 Credits (3)
- EDEL 419 - Mathematics Methods Grades 3-6 Credits 3
- EDEL 466 - Digital Literacy Methods for Grades K-9 Credits (3)

**English Concentration (12 hours)**
- ENGL 231 - The Interpretation of Literature Credits (3)
- ENGL 312 - Grammar for Teachers Credits (3)
- ENGL 414 - Fundamentals of Teaching Composition Credits (3)
- ENGL 416 - Teaching English as a Second Language Credits (3)

**Mathematics Concentration (13 hours)**
- MATH 140 - Introductory Calculus Credits (5)
- MATH 270 - Statistical Methods I Credits (3)
- MATH 300 - Problem Solving Credits (3)
- MATH 311 - Informal Geometry Credits (3)

**Middle Grades (12 hours)**
- EDMG 410 - The Middle School Child and Curriculum Credits (3)
- EDMG 411 - Differentiated Instruction in Middle Grades Education Credits (3)
- Choice of 6 semester hours in Middle Grades

**The Professional Education Sequence (21 hours)**
- SPED 490 - Supervised Student Teaching Credits (9)
- SPED 495 - Special Education Seminar Credits (3)
- EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
- SPED 339 - Designing Classrooms as Responsive Learning Communities Credits (3)
- PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction Credits (3)

**Additional Requirements**
0-1 hours of general electives, 50 hours of service learning and the development of a portfolio are required to complete the program. Special education majors are required to maintain a 2.5 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 2.5, the student will not be permitted to enroll in SPED 312, SPED 413, SPED 423 or SPED 484.

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

Minors

Birth-Kindergarten, Minor

Total number of hours for the program 21
The minor requires 21 hours, including:
- BK 363 - Child Development Credits (3)
- BK 462 - Adult-Child Interaction Credits (3)
- COUN 310 - Family Systems Credits (3)
- SPED 240 - The Exceptional Child Credits (3)
- SPED 345 - Adaptations and Modifications for Young Children with Disabilities Credits (3)

And 6 hours selected from:
- BK 260 - Foundations of Child Study Credits (3)
- BK 361 - Environments for Young Children Credits (3)
- SPED 313 - Assessment of the Young Child Credits (3)
- SPED 411 - Family Collaborative Planning Credits (3)
- SPED 412 - Interagency Planning Credits (3)

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 HR 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.

Special Education, Minor

Total number of hours for the program 18
The minor in special education requires 18 hours, including:
- SPED 240 - The Exceptional Child Credits (3)
- SPED 310 - Evaluation of the Exceptional Child Credits (3)
- SPED 401 - Exceptional Learners in the General Curriculum Credits (3)
- SPED 405 - Exceptional Learners in the General Curriculum II Credits (3)

And 6 hours of guided electives.

Psychology

216
Major

Psychology, B.S.

Total number of hours for the program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 39 hours as follows

- PSY 150 - General Psychology Credits (3)
- PSY 271 - Research Design and Data Analysis I Credits (3)
- PSY 272 - Research Design and Data Analysis II Credits (3)
- PSY 455 - History of Psychology Credits (3)
- PSY 495 - Senior Seminar in Psychology Credits (3)

Psychology electives
Developmental, 3 hours selected from

- PSY 320 - Child and Adolescent Development Credits (3)
- PSY 322 - Adolescent Development Problems and Achievements Credits (3)
- PSY 325 - Development Early Adulthood through Maturity Credits (3)
- PSY 327 - Psychology of Aging Credits (3)

Social, 3 hours selected from

- PSY 310 Credits (3)
- PSY 210 - Social Psychology Credits (3)
- PSY 313 - Organizational and Industrial Psychology Credits (3)
- PSY 333 - Psychology of Sex Differences Credits (3)

Experimental, 3 hours selected from

- PSY 440 - Biological Psychology Credits (3)
- PSY 444 - Cognitive Psychology Credits (3)
- PSY 448 - Human Neuropsychology Credits (3)

Clinical, 3 hours selected from

- PSY 363 - Behavioral Intervention Credits (3)
- PSY 430 - Personality Credits (3)
- PSY 441 - Health Psychology Credits (3)
- PSY 470 - Abnormal Psychology Credits (3)
- PSY 474 - The Emotionally Disturbed Child and Adolescent Credits (3)

Other Psychology electives (Hours 12)
In addition

To completing 39 hours of PSY courses, psychology majors must also complete a second major, a
minor, or another approved program Of the 39 required PSY hours, at least 12 must be in
junior/senior level courses

Visit the department's website at http://www.wcu.edu/ceap/psychology/ to view the 8 semester
curriculum guide
Minor

Psychology, Minor

Total number of hours for the program 18
The minor requires 18 hours, including
  • PSY 150 - General Psychology Credits (3)
And 15 hours of Psychology electives
College of Fine and Performing Arts

Robert Kehrberg, dean
John T West, associate dean

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 Department of Stage and Screen, the 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 Theatre (NAST), the National Association of Schools of Art and Design (NASAD—pending)) and the National Association of Schools of Music (NASM).

School of Stage & Screen

Thomas M. Salzman, head

Major

Motion Picture and Television Production, B.F.A.

Total number of hours for program: 120
Liberal Studies (42 hours)
Major requirements (63 hours)
The major requires 42 hours in Motion Pictures and Television core courses and a 21 hour concentration in either Motion Pictures or Television.
Required Motion Picture and Television Production Core Courses (42 hours)

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

Motion Picture Concentration (21 hours)
- MPTP 335 - Intermediate Cinematography Credits (3)
- MPTP 406 - Screenwriting II Credits (3)
  or
- MPTP 320 - Adapting the Short Story Credits (3)
  or
- MPTP 321 - Scene Writing Credits (3)
  or other MPTP Screenwriting course Credits (3)
- MPTP 460 - Directing the Documentary Credits (3)

Take 6 hours from the following advanced courses
- Advanced Screenwriting Course (MPTP 320, 321, 408, 407, 409 or 410)
- MPTP 436 - Advanced Cinematography Credits (3)
- MPTP 461 - Advanced Directing Credits (3)

Take 3 hours from the following film studies courses
- MPTP 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)
  or other film studies course approved by advisor
- THEA 140 - Acting I Credits (3)

Television Concentration (21 hours)
- Electives in Concentration Credits (6)
- COMM 255 - Television Production I Credits (3)
- COMM 351 - Introduction to Television Studies Credits (3)
- COMM 355 - Television Production II Credits (3)
- LAW 406 - Media Law Credits (3)
- MPTP 335 - Intermediate Cinematography Credits (3)

General Electives (15 hours)

Additional Requirements
All students must apply and be accepted into the MPT program. Please note that entering freshmen may declare MPT as their major, but must then apply and be accepted into the program during their first year in order to continue in the program in the sophomore year. Application form and requirements can be found on the MPT website at http://www.wcu.edu/2360.asp
Students must maintain a 2.5 OVERALL GPA or better to remain in the MPT program. All MPT students are responsible for reading and abiding by all rules and regulations in the MPT Student Handbook.

Stage and Screen, B.A.

Total number of hours for the program 120
Stage and Screen major requires 45 hours as follows and a 2.5 GPA and must audition or have a review of portfolio for acceptance to the program.

Liberal Studies Hours 42
Liberal Studies Program Requirements

Foundations Core (18 hours)
- THEA 131 - Introduction to Professions Credits (3)
- ENGL 278 - Introduction to Film Studies Credits (3)
- THEA 400 - History of the Theatre I Credits (3)
- THEA 495 - B A Senior Project Credits (3)
  6 hours from
- THEA 302 - Dramatic Literature and Criticism Credits (3)
- ENGL 378 - Motion Picture Histones Credits (3) or any second level critical film course 300/400 (advisor approved)
- THEA 401 - History of the Theatre II Credits (3)

Skills Core (27 hours)
- THEA 235 - Stage Management Credits (3)
- THEA 140 - Acting I Credits (3)
- MPTP 250 - Basic Production Techniques Credits (3)
- MPTP 253 - Introduction to Film Directing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) 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 production hours in BOTH areas
- THEA 270 - Theatre Arts Workshops I Credits (1-3, R6)
- THEA 370 - Theatre Arts Workshops II Credits (1-3, R6)
- MPTP 386 - Production Practicum II Credits (1, R5)

Electives
6 hours + 6 hours of Modern Foreign Language (any level)
NOTE: Strongly recommend Internship, Dance, 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/2264.asp to view the 8 semester curriculum guide.

Theatre Concentration Design/Tech (21 hours)
12 hours must be at junior-senior level
- THEA 432 - Design I 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 (1-3, R6)
- THEA 370 - Theatre Arts Workshops II Credits (1-3, R6)
- MPTP 386 - Production Practicum II Credits (1, R5)
- THEA 483 - Internship in Theatre Arts Credits (3, R9)
- MPTP 483 - Internship in Motion Picture/TV Credits (3, R6)
- 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)
- MPTP 335 - Intermediate Cinematography Credits (3)
- MPTP 357 - Non-Linear Editing Credits (3)
- MPTP 361 - Intermediate Directing Credits (3)
- MPTP 365 - Producing Credits (3)
- MPTP 406 - Screenwriting II Credits (3)
- MPTP 460 - Directing the Documentary Credits (3)
- MPTP 493 - Special Topics in Motion Picture Production Credits (3, R9)
- DA 253 - Social/Ballroom Dance Credits (1)
- DA 258 - Dance Techniques Credits (2, R6)
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:

1. Sophomore standing and the completion of no more than 90 hours,
2. Minimum overall GPA of 2.5,
3. Completion of CMTA 131, ENGL 102, a liberal studies course in oral communication, history, and art or music with a grade of "C" or better, and completion of a liberal studies science course and the core mathematics course, and
4. Resume documenting involvement and/or training in theatre
5. Applicants must complete a letter of application and present an audition piece or design/tech portfolio

Each student will be required, upon admission, to declare an area of emphasis in either Performance or Design/ Tech

Within the area of emphasis, the student will then declare a concentration

- In Performance, concentrations are Acting or Musical Theatre
- In Design/Tech, concentrations are Design or Technical Production

Early admission into the program by audition is encouraged, but is provisional pending completion of the above. Complete admission procedures and retention policies are outlined in the PROCEDURAL GUIDE FOR THE BFA IN THEATRE located in the Department of Communication, Theatre, and Dance

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

The major requires 128 hours as follows

Liberal Studies, 42 hours

Required Theatre Core Courses, 35 hours

Performance or Design/Tech focus 25 hours, and Concentration, 26 hours

Required Courses

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

- THEA 130 - Makeup Credits (1)
- THEA 131 - Introduction to Professions Credits (3)
- THEA 140 - Acting 1 Credits (3)
- THEA 170 - Theatre Production Seminar Credits (1, R4)
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) Credits (3)
- THEA 240 - Voice and Articulation Credits (3)
- THEA 302 - Dramatic Literature and Criticism Credits (3)
- THEA 332 - Introduction to Design for Stage and Screen Credits (3)
- THEA 350 - Directing 1 Credits (3)
- THEA 400 - History of the Theatre 1 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)

Performance Emphasis-25 hours

- DA 258 - Dance Techniques Credits (2, R6)
• DA 260 - Anatomy for Dance Credits (1)
• THEA 220 - Stage Movement Credits (3)
• THEA 340 - Acting II Credits (3)
• THEA 341 - Acting III Credits (3)

Additional Requirements

4 hours from

• MUS 106 - Applied Minor Credits (1, R3)
  and
• MUS 206 - Applied Minor Credits (1, R3)
• THEA 270 - Theatre Arts Workshops I Credits (1-3, R6)
  and
• THEA 370 - Theatre Arts Workshops II Credits (1-3, R6)

or

Additional requirements

8 hours of electives and one of the following concentrations

Additional Requirements

Select one of the following courses

• MUS 258 - Diction for Singers I Credits (1)
• THEA 260 - Dialects Credits (1)

or

Acting concentration-26 hours

• 9 hours from CMTA 345, 346, 351, 441
• 8 hours from DA 253, 255, 261, 264, 303, 304, 305, 306, PE 207
• 3 hours from ENGL 333, ENGL 431
• 6 hours of performance credits at the Jr/Sr level

Musical Theatre concentration-26 hours

• 3 hours from MUS 171 or MUS 371
• 3 hours from MUS 175 or MUS 370
• 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 304 - Jazz Appreciation Credits (3)
• MUS 410 - History of American Musical Theatre Credits (3)

Additional requirements

Recommend 6 hours of electives be taken in DA (Students in the Musical Theatre Concentration must achieve a level two proficiency in one of the following Ballet, Tap or Jazz)

Design/Tech Emphasis-25 hours

• ART 131 - Introductory Drawing Credits (3)
  or higher level
• HEAL 250 - First Aid and Safety Education Credits (2)

Additional requirements

224
• 6 hours from ART 136, 137, IDES 350, 355
• 6 hours from HIST 221, 222 or higher level
• 3 hours from ENGL 333, 431

Additional requirements
5 hours of electives and one of the following concentrations

Design concentration-26 hours
• 6 hours from CMTA 333, 335, 337, 493 (with advisor approval)
• 6 hours from CMTA 433, 435, 437, 438
• 3 hours from ET 132, IDES 251, ART 132
• 6 hours of production credits from CMTA 370, 483, or 486
• 5 hrs advisor approved electives in concentration

Technical Production concentration-26 hours
• 6 hours from CMTA 333, 335, 337, 438
• 6 hours of production credits--at least 3 must be at the Jr/Sr level
• 5 hours of advisor approved electives in concentration
• ET 132 - Engineering Graphics Credits (3)
• IDES 251 - Architectural Drafting and Design Credits (3)
• THEA 483 - Internship in Theatre Arts Credits (3, R9)
  or
• THEA 486 - Theatre Production Credits (3, R12)

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.
Visit the department’s website at http://www.wcu.edu/2264.asp to view the 8 semester curriculum guide.

Minor

Dance, Minor

Total number of hours for the program 20
The minor requires 20 hours, including
• DA 259 - Dance Appreciation Credits (3)
• DA 260 - Anatomy for Dance Credits (1)
• DA 301 - Dance Choreography Credits (2)

Additional Requirements
10 hours selected from
• DA 261 - Ballet I Credits (2, R4)
• DA 262 - Modern I Credits (2, R4)
• DA 264 - Jazz Credits (2, R4)
• DA 303 - Ballet II Credits (2, R4)
• DA 304 - Modern II Credits (2, R4)
• DA 305 - Jazz II Credits (2, R4)

Plus an Additional 4 hours selected from
• DA 253 - Social/Ballroom Dance Credits (1)
DA 255 - Tap Credits (1, R3)
DA 257 - Dance Performance Credits (1)
DA 258 - Dance Techniques Credits (2, R6)
DA 263 - Musical Theatre Styles Credits (2, R4)
DA 302 - Choreography Production Credits (2)
DA 306 - Tap II Credits (1, R2)
DA 307 - Teaching Methods for Dance Credits (2)

Motion Picture Production, Minor

Total number of hours for the program 21
The minor requires 21 hours as follows
- ENGL 278 - Introduction to Film Studies Credits (3)
- MPTP 250 - Basic Production Techniques Credits (3)
- MPTP 253 - Introduction to Film Directing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- MPTP 335 - Intermediate Cinematography Credits (3)
  or
- MPTP 357 - Non-Linear Editing Credits (3)

Plus an additional 6 hours selected from the following
A departmentally approved course in the Motion Picture Production or
- MPTP 361 - Intermediate Directing Credits (3)
- MPTP 365 - Producing Credits (3)
- MPTP 406 - Screenwriting II Credits (3)
- MPTP 460 - Directing the Documentary Credits (3)
- MPTP 461 - Advanced Directing Credits (3)
- MUS 383 - Music and Audio in Media Credits (3)

Theatre, Minor

Total number of hours for the program 24
The minor requires 24 hours
- THEA 131 - Introduction to Professions Credits (3)
- THEA 140 - Acting I Credits (3)
- THEA 231 - Stagecrafts for Stage and Screen (Scenic/Lighting) Credits (3)
- THEA 302 - Dramatic Literature and Criticism Credits (3)
- THEA 332 - Introduction to Design for Stage and Screen Credits (3)
- THEA 340 - Acting II Credits (3)
- THEA 350 - Directing I Credits (3)
- THEA 400 - History of the Theatre I Credits (3)
  or
- THEA 401 - History of the Theatre II Credits (3)

School of Art and Design

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Richard Tichich, director
E Adams, J Byrd, M Dewitt, C Griffin, J Jicha, P Kelly, M Liddle, S McCormick, J Nichols, C Roberts, M Roland, E Tapley, J Thompson, M Yops

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383

Major

Art, B A.

Total number of hours for program 120
Liberal Studies Hours 42
Liberal Studies Program Requirements

Major Requirements

- Modern Foreign Language Credits (6)
- 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 141 - Life Drawing I Credits (3, R6)
- ART 142 - Three-Dimensional Design Credits (3)
- ART 416 - Contemporary Art Credits (3)
- PAR 310 - Philosophy of Art Credits (3)

Studio emphasis (18 hours), including at least 12 hours at the junior-senior level, or an art history emphasis (18 hours) to include 15 hours in junior-senior art history courses and 3 hours of art electives is required

Additional Requirements

To complete the program, a total of 30 hours is required, including a second major, minor, or other approved program and general electives. 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 earn a grade of C or better in each art course in the major.

Visit the department's website at http://www.wcu.edu/3313.asp to view the 8 semester curriculum guide.

Art, B F.A

Total number of hours for the Program 122
To continue in the program, students must earn a grade of C or better in each course in the major

Liberal Studies Hours 42
Liberal Studies Program Requirements

Studio Foundations (18 hours)

- ART 131 - Introductory Drawing Credits (3)
- ART 132 - Two-Dimensional Design Credits (3)
- ART 136 - Art History Survey I Credits (3)
- ART 137 - Art History Survey II Credits (3)
- ART 142 - Three-Dimensional Design Credits (3)
Studio Electives (21 hours)
Studio classes not directly related to the area of emphasis

Studio Emphasis (47 hours)

Emphasis Area (30 hours)
30 additional hours of courses at the junior-senior level, taken in no more than one area, selected from the following

Ceramics (30 hours)
- ART 251 - Introductory Ceramics Credits (3)
- ART 351 - Ceramics II Credits (3, R12)
- ART 380 - Ceramics III Credits (3)
- ART 411 - Ceramics IV Credits (3)
- ART 451 - Problems in Ceramics Credits (3, R12)
- ART 474 - Portfolio Credits (3)
  Select 6 hours from the following
- ART 342 - Sculpture II Credits (3, R12)
- ART 359 - Introductory Book Arts Credits (3)
- ART 480 - Experimental Studio Credits (3, R12)
- ART 494 - Art Honors Studio Credits (3, R6)

Drawing/Painting (30 hours)
- ART 233 - Introductory Painting Credits (3)
- ART 330 - Drawing II Credits (3, R12)
- ART 333 - Painting II Credits (3, R12)
- ART 377 - Painting III Credits (3)
- ART 474 - Portfolio Credits (3)
  Select 15 hours from the following
- ART 231 - Life Drawing II Credits (3)
- ART 234 - Introductory Printmaking Credits (3)
- ART 433 - Painting III Credits (3, R12)
- ART 453 - Problems in Painting Credits (3, R9)
- ART 454 - Problems in Drawing Credits (3, R9)
- ART 480 - Experimental Studio Credits (3, R12)
- ART 494 - Art Honors Studio Credits (3, R6)

Graphic Design (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 Credits (3, R6)
- ART 471 - Graphic Design II Credits (3)
- ART 474 - Portfolio Credits (3)
- ART 475 - Typography II Credits (3, R6)
- ART 479 - Motion Graphics II Credits (3, R6)
- ART 483 - Art Internship Credits (3)

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Photography (30 hours)
- ART 334 - Printmaking II Credits (3, R12)
- ART 372 - Introductory Photography Credits (3)
- ART 455 - Photography II Credits (3)
- ART 472 - Photography III Credits (3, R12)
- ART 474 - Portfolio Credits (3)
- ART 476 - Problems in Photography Credits (3, R9)
  Select 6 hours from the following
- ART 241 - Introductory Sculpture Credits (3)
- ART 359 - Introductory Book Arts Credits (3)
- ART 479 - Motion Graphics II Credits (3, R6)
- ART 480 - Experimental Studio Credits (3, R12)
- ART 483 - Art Internship Credits (3)
- ART 494 - Art Honors Studio Credits (3, R6)

Printmaking/Book Arts (30 hours)
- ART 234 - Introductory Printmaking Credits (3)
- ART 334 - Printmaking II Credits (3, R12)
- ART 359 - Introductory Book Arts Credits (3)
- ART 372 - Introductory Photography Credits (3)
- ART 434 - Problems in Printmaking Credits (3, R12)
- ART 459 - Book Arts II Credits (3, R12)
- ART 466 - Problems in Book Arts Credits (3, R9)
- ART 474 - Portfolio Credits (3)

Sculpture (30 hours)
- ART 241 - Introductory Sculpture Credits (3)
- ART 342 - Sculpture II Credits (3, R12)
- ART 381 - Sculpture III Credits (3)
- ART 443 - Sculpture IV Credits (3, R12)
- ART 453 - Problems in Painting Credits (3, R9)
- ART 474 - Portfolio Credits (3)
  Select 6 hours from following
- ART 251 - Introductory Ceramics Credits (3)
- ART 359 - Introductory Book Arts Credits (3)
- ART 372 - Introductory Photography Credits (3)
- ART 480 - Experimental Studio Credits (3, R12)
- ART 494 - Art Honors Studio Credits (3, R6)

Studio Emphasis Requirements
Art History Electives (6 hours)
  Art History Electives (6 hours) at the junior-senior level
- ART 401 - Art of World Cultures 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 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 420 - Intermedia in Contemporary Culture Credits (3)
• ART 482 - Independent Study in Art History Credits (1-6, R6)
• ART 379 - Cherokee Arts and Crafts Credits (3)

Additional Requirements (6 hours)
• ART 141 - Life Drawing I Credits (3, R6)
• PAR 310 - Philosophy of Art Credits (3)

General Electives (5 hours)
General Electives (5 hours) are required to complete the program

Art Education Emphasis (47 hours)

Professional Education Sequence (24 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction 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)

Art Electives (9 hours)
• 6 hours studio art electives at the junior-senior level
• 3 hours art history electives at the junior-senior level

Additional Requirements (6 hours)
• ART 367 - History and Philosophy of Art Education Credits (3)
• ART 465 - Art Methods for the Elementary School Credits (3)

General Electives (8 hours)
General Electives (8 hours) from any junior-senior level course

Art, B.S.E.D.

Total number of hours for the program 128

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

Professional Education Sequence (24 hours)
• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction 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)
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

**Additional Requirements**

To continue in the program, students must earn a grade of C (2.0) or better in each art course in the major.

3 hours of general electives from 300-400 level courses (3)

Visit the department's website at [http://www.wcu.edu/3313.asp](http://www.wcu.edu/3313.asp) to view the 8 semester curriculum guide.

**Interior Design, B.S.**

Total number of hours for program: 123

Liberal Studies Hours: 42

Liberal Studies Program Requirements

Major Requirements

The major requires 81 hours as follows:

**Interior Design Studio** (54 hours)

- **IDES 250** - Introduction to Interior Design Credits (3)
- **IDES 251** - Architectural Drafting and Design Credits (3)
- **IDES 252** - Survey of Interior Materials Credits (3)
- **IDES 254** - Rapid Visualization Credits (3)
- **IDES 255** - Space Planning Credits (3)
- **IDES 256** - Perspective Drawing Credits (3)
- **IDES 257** - Architectural Construction Process Credits (3)
- **IDES 258** - CADD for Interior Design Credits (3)
- IDES 351 - Lighting Design Credits (3)
- IDES 352 - Residential Design I Credits (3)
- IDES 356 - Contract Design I Credits (3)
- IDES 357 - Kitchen and Bath Design I Credits (3)
- IDES 450 - Residential Design II Credits (3)
- IDES 451 - Kitchen and Bath Design II Credits (3)
- IDES 455 - Contract Design II Credits (3)
- IDES 456 - Professional Practice in Interior Design Credits (3)
- IDES 457 - Senior Capstone Credits (3)
- IDES 483 - Internship Credits (3)

**Art Foundations (9 hours)**

- ART 131 - Introductory Drawing Credits (3)
- ART 132 - Two-Dimensional Design Credits (3)
- ART 142 - Three-Dimensional Design Credits (3)

**Design and Art History (9 hours)**

- IDES 355 - History of Furniture and Design II Credits (3)
  Select 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 (6)

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)
- IDES 520 - Environments for Aging Credits (3)

**Electives**

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.
Visit the department's website at http://www.wcu.edu/3327.asp to view the 8 semester curriculum guide

**Minor**

**Art, Minor**

Total number of hours for the program 21  
The minor requires 21 hours, including  
- 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)

**Electives**

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

**Residential Environments, Minor**

Total number of hours for the programs 18  
The minor requires 18 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 257 - Architectural Construction Process Credits (3)  
- IDES 350 - History of Furniture and Design I Credits (3)  
- IDES 355 - History of Furniture and Design II Credits (3)

**Additional Courses**

In lieu of taking IDES 251, one of the following art courses may be substituted  
- ART 131 - Introductory Drawing Credits (3)  
- ART 132 - Two-Dimensional Design Credits (3)  
- ART 141 - Life Drawing I Credits (3, R6)  
- ART 142 - Three-Dimensional Design 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)

**School of Music**

*Will Peebles, director*

A Adams, T Armfield, M K Bauer, T Bennett, R Buckner, A Cherry, D Cherry, B Frazier, M Gaetano, D Gonko, M Henley, J Henson, R Holquist, B Martin, W Martin, W Peebles, C Reitz, G Robin, M Schallock, E Spell, S Thompson, B Ulrich, J West, P Wlosok, S Wohlrab

To major or minor in music, students must pass an audition in the principal performance area and take a music aptitude examination. This audition is a separate process from admission to the
A successful audition does not guarantee admission to the university, nor does admission to the university guarantee admission to the music degree program. Audition days are scheduled in February and March each year for the following Fall semester, or by individual appointment. Visit the department's website at http://music.wcu.edu/ for more information on auditions and the various degree programs.

**Major**

**Music, B.A.**

Total number of hours 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. All wind and percussion majors in the B.A. program must include a minimum of 1 semester in marching band.

**Liberal Studies Hours 42**

**Liberal Studies Program Requirements**

**Major Requirements**

The major requires 38 hours as follows:

- **MUS 107 - Applied Major Credits** (2, R6)  
  (Two semesters required)
- **MUS 148 - Piano Class I Credits** (1)
- **MUS 149 - Piano Class II Credits** (1)
- **MUS 207 - Applied Major Credits** (2, R6)  
  (Two semesters required)
- **MUS 208 - Aural Skills II Basic Tonal Functions Credits** (1)
- **MUS 218 - Music Theory II Tonal Harmony Credits** (3)
- **MUS 248 - Piano Class III Credits** (1)
- **MUS 249 - Piano Class IV Credits** (1)
- **MUS 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, R8)  
  and/or
- **MUS 372 - Concert Choir Credits** (1, R8)  
  or
- **MUS 373 - Band Credits** (1-2, R8)  
  (For a total of six semesters in 371, 372, or 373)
- **MUS 418 - Music History I Music Before 1750 Credits** (3)

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MUS 419 - Music History II Music after 1750 Credits (3)

Additional Requirements
To complete the program, 48 hours, including a minimum of 11 hours at the junior-senior level and 6 hours of MFL 101-102 are required. One of the following options or concentrations must be completed:

Minor, Second Major, or Approved Program Hours & Electives (42 hours)

or

Music Industry Option & Electives (42 hours)

- BA 133 - Strategy First 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)
- MUS 474 - Entrepreneurship in Music, Senior Project Credits (1) 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)
- General Elective Hours 11

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.

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements
The major requires 38 hours as follows:

- MUS 107 - Applied Major Credits (2, R6) (Two semesters required)
- MUS 148 - Piano Class I Credits (1)
- MUS 149 - Piano Class II Credits (1)
- MUS 207 - Applied Major Credits (2, R6) (Two semesters required)
- MUS 208 - Aural Skills II Basic Tonal Functions Credits (1)
- MUS 218 - Music Theory II Tonal Harmony Credits (3)
- MUS 248 - Piano Class III Credits (1)
- MUS 249 - Piano Class IV Credits (1)
- MUS 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, R8)
  and/or
- MUS 372 - Concert Choir Credits (1, R8)
  or
- MUS 373 - Band Credits (1-2, R8)
  (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)

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 407 - Applied Major Credits (2, R6)
- MUS 428 - Choral Conducting Credits (2)
- MUS 470 - Orchestration and Arranging Credits (2)

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 (2)
- MUS 411 - Advanced Vocal Pedagogy Credits (3)
• MUS 412 - Teaching in the Private Studio Credits (1)
• EDSE 484 - Supervised Internship I 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 semesters in marching band. For keyboard, strings, and guitar majors, MUS 373 must be the major ensemble, performance on secondary winds or percussion is required. If piano is the principal instrument, 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 407 - Applied Major Credits (2, R6)
• 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 (2)
• MUS 411 - Advanced Vocal Pedagogy Credits (3)
• MUS 412 - Teaching in the Private Studio Credits (1)
• EDSE 484 - Supervised Internship I Credits (1-3)

Professional Education Sequence (24 hours)

• EDCI 201 - Teacher Leadership in a Diverse Society Credits (3)
• PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction 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)

• MUS 181 - Introduction to MIDI/Synthesis Credits (1)
• MUS 182 - Computer Applications in Music Credits (1)
• MUS 281 - Music Sequencing and Audio Editing Credits (1)
• 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 407 - Applied Major Credits (2, R6)
- MUS 417 - Applied MIDI/Synthesis Credits (2, R6)

And two of the following courses
- MUS 383 - Music and Audio in Media Credits (3)
- MUS 426 - Jazz Arranging and Composing Credits (3)
- MUS 468 - Scoring 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, R12)
  (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 184 - Functional Jazz Keyboard Credits (1, R2)
- MUS 284 - MIDI/Synthesis Masterclass Credits (1, R3)
- MUS 304 - Jazz Appreciation Credits (3)
- MUS 317 - Applied MIDI/Synthesis 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 - Scoring for Film and Video Credits (3)
- MUS 469 - Music in Motion Pictures Credits (3)
- MUS 479 - Digital Audio Recording and Editing Credits (3)
- MUS 480 - Independent Study Credits (1-3, R9)
- MUS 483 - Practicum in Music Credits (1-3)
- MUS 489 - Internship Credits (3, R9)

General Electives
Five hours of general university electives are required to complete the program
Performance Hours 26
- MUS 181 - Introduction to MIDI/Synthesis Credits (1)
- MUS 182 - Computer Applications in Music Credits (1)
- 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, R8)
  or
• MUS 372 - Concert Choir Credits (1, R8)
  or
• MUS 373 - Band Credits (1-2, R8)

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, R12)
  (Six semesters required)
• MUS 378 - Survey of the Music Industry Credits (3)
• MUS 470 - Orchestration and Arranging Credits (2)

General Electives
Three (3) hours of general university electives are required to complete the program

Music, B S ED.

Students receiving the BM degree in Music with a concentration in Choral/General or Instrumental
Music Education will also receive the BSEd degree in Music Education form the College of
Education and Allied Professions. For degree requirements, please see the listing under BM Music,
Concentrations in Music Education

Minor

Music, Minor

Total number of hours for the program 22
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
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 Criminology and Criminal Justice, Physical Therapy, and Social Work. The mission of the College of Health and Human Sciences is to offer quality education for a variety of professional careers. In fulfilling this role, the college provides undergraduate and graduate educational programs in Cullowhee, Asheville, and through the World Wide Web.

**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.

**Introduction**

Careers in both health professions and criminal justice are among the fastest growing segments 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. In addition, our nation's criminal justice system provides numerous career opportunities in both the public and private security areas.

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.

**Undergraduate Programs**

**Majors** Athletic Training, Criminal Justice, Communication Sciences and Disorders, Emergency and Disaster Management, Emergency Medical Care, Environmental Health, Health Information Administration, Nutrition and Dietetics, Nursing, Recreational Therapy, and Social Work.

**Graduate Programs**

The College offers graduate programs in Emergency Medical Care, Physical Therapy, Social Work, Speech Pathology, Health Sciences, (with concentrations in environmental health, nutrition, gerontology, and management) and Nursing (Nurse Administrator, Family Nurse Practitioner, Nurse Educator, and Nurse Anesthesia).

**Certificate**

**Certificate in Gerontology**

The gerontology certificate will be awarded upon the completion of the following hours.

**Certificate Requirements**

The certificate requires the following 18 hours.
**Additional Requirements**

12 hours credit selected from the following, or other courses as approved by the gerontology advisor

- GERN 480 - Independent Study Credits (1-3, R9)
- GERN 493 - Topics Credits (1-6)
- PSY 325 - Development Early Adulthood through Maturity Credits (3)
- PSY 327 - Psychology of Aging Credits (3)
- PSY 426 - Death and Dying Credits (3)
- RTH 360 - Recreational Therapy Services for Older Adults Credits (3)
- SOCW 429 - Social Work with Older Adults Credits (3)

**Minor**

**Applied Sciences Multi-Media, Minor**

Total number of hours for the program 18

The minor will consist of 18 hours with nine hours of core courses and nine hours of elective courses. Students will take one course in each of the three core areas:

**Visual Core**
- ART 420 - Intermedia in Contemporary Culture Credits (3)
- ENGL 313 - Authoring Multimedia Credits (3, R6)

**Audio Core**
- MUS 383 - Music and Audio in Media Credits (3)

**Textual Core**
- COMM 404 - Desktop Publishing Credits (3, R6)
  or
- ENGL 304 - Writing for Electronic Environments Credits (3)

**Additional Requirements**

The remaining nine hours will be selected from other core courses and these additional courses involving multimedia history and technology:

- EDCD 372
- EDEL 466
- EDEL 472
- ART 479 - Motion Graphics II Credits (3, R6)
- ECET 301 - Electrical Systems Credits (3)
- ECET 302 - Instrumentation and Controls Credits (3)
- ENGL 305 - Technical Writing Credits (3)
- ENGL 307 - Professional Editing and Publishing Credits (3)
- MPTP 310 - Introduction to Screenwriting Credits (3)
- MUS 181 - Introduction to MIDI/Synthesis Credits (1)
- MUS 283 - Music Technology Methods Credits (1)

**Clinical Forensics, Minor**

This program is on inactive status and no new students are being enrolled.
Gerontology, Minor

Total number of hours for the program 18
The minor requires 18 hours
- GERN 310 - Aging Lifestyles and Society Credits (3)
- GERN 498 - Aging Seminar Credits (3)

Additional Requirements (12 hours)
The additional 12 credit hours to be selected from the following, or other courses as approved by the gerontology advisor
- GERN 480 - Independent Study Credits (1-3, R9)
- GERN 493 - Topics Credits (1-6)
- PSY 325 - Development Early Adulthood through Maturity Credits (3)
- PSY 327 - Psychology of Aging Credits (3)
- PSY 426 - Death and Dying Credits (3)
- RTH 360 - Recreational Therapy Services for Older Adults Credits (3)
- SOCW 429 - Social Work with Older Adults Credits (3)

Communication Sciences and Disorders

Billy Ogletree, head

Major

Communication Sciences and Disorders, B S.

Total number of hours for the program 128
This is a preprofessional program Licensure and certification by the State of North Carolina and the American Speech-Language-Hearing Association require successful completion of a master’s degree
Liberal Studies Hours 42
Liberal Studies Program Requirements
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 (24 hours)

Electives
General electives include 20 hours
Visit the department's website at http://commdis.wcu.edu to view the 8 semester curriculum guide

Department of Criminology and Criminal Justice

Stephen Brown, head
R Berry, L Briggs, F Hawley, C Caravelis Hughes, T Johnson, K Mason, C Merritt, L B Myers, M Orender, J Vaske, A Vessey

Major

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. Freshmen 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

Liberal Studies Program Requirements
Major Requirements (49 hours)

Major Core requirement (16 hours)

- CJ 150 - Introduction to Criminal Justice & Criminology Credits (3)
- 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
- 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
- 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
- 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 - Biosocial Criminology Credits (3)

Major Electives (15 hours) includes additional major electives and/or additional Area 1, 2, and 3 courses

Administration of Justice Concentration for distance learning students only (49 hours)

Major Core requirement (16 hours) as listed above

Concentration Core (12 hours)
- CJ 313 - Criminal Justice Administration Credits (3)
- CJ 425 - Police Practices and Problems Credits (3)
- CJ 445 - Supervision & Leadership of Personnel Credits (3)

Concentration Electives (6 hours) minimum two of the following
- CJ 305 - Social Justice and the Law Credits (3)
- CJ 347 - Gender & Crime Credits (3)
- CJ 365 - Cyber Crimes Credits (3)
- CJ 385 - Issues in Correctional Treatment Credits (3)
- CJ 438 - Minorities, Crime and Social Policy Credits (3)
- CJ 448 - Community Policing Credits (3)
- CJ 470 - Criminal Justice Policy Credits (3)
- EDM 435 - Homeland Security Credits (3)
- EDM 457 - Terrorism Credits (3)

Additional Major Electives (15 hours)

Take 15 hours of major elective courses and/or additional hours from Areas 1, 2, or 3

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 AAS, AAS or AAS degree from the community college or substantial progress toward "44 General Core" courses that satisfy the General Education/Liberal Studies requirement for North Carolina Community College System provides for seamless transfers.
Coursework taken in Fire Science, Emergency Medical and Emergency Preparedness programs at North Carolina community colleges may transfer into the major (max 18 credit hours). Fifty percent of earned degree hours and 50% of all courses in the major must be the 300/400 level.

Liberal Studies Hours 42

Liberal Studies Program Requirements

Major Requirements

The major requires 48 hours as follows:

Major Core Requirement (27 hours)
- EDM 250 - Introduction to Emergency and Disaster Management Credits (3)
- EDM 300 - Methods of Disaster Research 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)

Major Electives (21 hours)
- EMC 445 - EMC Systems Management Credits (3)
- COMM 400 - Crisis Communications Credits (3)
- PSC 303 - State and Local Government Credits (3)
- PSC 304 - Public Administration Credits (3)
- EDM Non-Core Courses
- A maximum of 15 hours in other approved electives

General Electives

General Electives (30 hours) are required to complete the program.

Minor

Criminal Justice, Minor

Total number of hours for the program 21
- 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

Two additional courses from major electives (6 hours) and/or additional courses from Areas 1, 2, and 3 of major

Emergency Management, Minor

Total number of hours for the program 18

246
Core Requirement (9 hours)
- EDM 250 - Introduction to Emergency and Disaster Management Credits (3)
- EDM 324 - Emergency Planning Credits (3)
- EDM 340 - Political and Policy Basis of Emergency and Disaster Management Credits (3)

Minor Electives (9 hours) include
- COMM 400 - Crisis Communications Credits (3)
- EDM 326 - Risk Assessment and Vulnerability Analysis Credits (3)
- EDM 332 - Disaster Response Operations and Management Credits (3)
- EDM 340 - Political and Policy Basis of Emergency and Disaster Management Credits (3)
- EDM 351 - Resource Management Credits (3)
- EDM 448 - Emergency Exercise Design and Evaluation 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)
- PSC 303 - State and Local Government Credits (3)
- PSC 304 - Public Administration Credits (3)

or approval by the program director

School of Health Sciences

Phil Kneller, Director
Wayne Billon, Susan Bogardus, Brian Byrd, Theodore Chappelli, Peg Connolly, Sally Feltner, Jennifer Hinton, Glenn Kastrinsos, Marianne Hollis, Michael Hubble, Ashley Long, Jill Manners, Melissa Martin, Irene Muller, Burton Ogle, Nicole Pekarek, Sherry Robison, Baldwin Sanders, James Scifers, Michelle Scifers, Timothy Stegall, April Tallant, Charles Taylor, Mary Teslow, David Trigg, Keith Wells, Betty White, Denise Wilfong, Tracy Zontek

Major

Athletic Training, B. S.

Total number of hours for program 122
Declaration of a major in Athletic Training 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 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 suspension, and termination refer to the Athletic Training program website linked from the School of Health Sciences.

Minimum GPA Requirement 2.75

When do students apply? Completed applications must be received by September 15 for provisional admission to the program. Students will typically apply for provisional admission to the program during their first semester at WCU. 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. Application for
full admission to the program occurs December 15 of each year. Students will typically apply for full admission to the program during their second academic year at WCU.

**Required Pre-requisites** Admision to the professional sequence requires completion of ATTR 150, ATTR 210, ATTR 265, HSCC 240, ATTR 221, and ATTR 283 with grades of C+ or higher in all courses. Students must also complete all clinical observation requirements at WCU or one of its approved affiliate clinical sites under the direct supervision of an Approved Clinical Instructor prior to full admission to the program.

**Retention in the Program** Students admitted into the 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 each of the ATTR courses in the major.

**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).

**Liberal Studies Hours** 42

**Liberal Studies Program Requirements**

**Major Requirements**

The major requires 74 hours as follows:

- ATTR 210 - Clinical Anatomy & Biomechanics Credits (4)
- ATTR 221 - Therapeutic Modalities I Credits (1)
- ATTR 222 - Therapeutic Modalities II Credits (1)
- 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 265 - Clinical Physiology and Pathology Credits (4)
- 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 483 - Clinical Education V Credits (3)
- ATTR 484 - Clinical Education VI Credits (8)
- ATTR 150 - Introduction to Athletic Training Credits (3) (2 Lecture, 1 Lab)
- HSCC 240 - Introduction to Emergency Medical Care Credits (3)
- HSCC 241 - Basic Emergency Medical Techniques Credits (3)
- ND 342 - Nutrition in Athletics Credits (3)
- ATTR 465 - Pathophysiology Credits (3)

**Electives**

General electives, 7 hours
Visit the department's website at http://www.wcu.edu/4640.asp 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 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 Emergency Medical Care program website linked from the School of Health Sciences.

**Minimum GPA Requirement** 2.0

When do students apply? Applicants must hold or be eligible for North Carolina EMT certification and forward an application to the program office by February 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.

**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 an overall 2.0 GPA to remain in the program.

**Additional Information** An accelerated curriculum available for associate degree medical laboratory technicians normally allows completion of degree requirements in two years. Articulating and other transfer students holding current paramedic certification should contact the program director about degree requirements and program admission. WCU’s EMC Program is accredited by the Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP).

**Liberal Studies Hours** 42

**Liberal Studies Program Requirements**

**Major Requirements**

The major requires 78-79 hours as follows:

- **EMC 340** - Introduction to Clinical Medicine Credits (3)
- **EMC 350** - Cardiology Credits (2)
- **EMC 351** - Basic ECG Interpretation Credits (1)
- **EMC 360** - Acute Fluid and Respiratory Disorders Credits (2)
- **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 420** - Maternal and Child Emergency Care Credits (3)
- **EMC 430** - Special Needs Patients Credits (1)
- **EMC 451** - Advanced ECG Interpretation Credits (1)
- **EMC 452** - Advanced Cardiac Life Support Credits (1)
- **EMC 461** - Simulation Laboratory Credits (1-3)
- **EMC 483** - Clinical Practicum III Credits (1-4)
- **EMC 484** - Clinical Practicum IV Credits (2)
- **EMC 485** - MICU Practicum Credits (1-3)
- **EMC 496** - Senior Seminar in Emergency Medical Care Credits (1)

249
- HSCC 240 - Introduction to Emergency Medical Care Credits (3)  
  (course to be completed before the junior-year)
- HSCC 241 - Basic Emergency Medical Techniques Credits (3)  
  (course to be completed before the junior-year)
- HSCC 330 - Legal and Legislative Aspects of Health Care Credits (1-3)
- HSCC 370 - Introduction to Pharmacology Credits (2)
- HSCC 371 - Pharmacology Techniques Credits (1)
- PSY 460 - Crisis Intervention Credits (1)

**Plus**
- BIOL 291 - Human Anatomy and Physiology I Credits (4)  
  (course to be completed before the junior-year)
- BIOL 292 - Human Anatomy and Physiology II Credits (4)  
  (course to be completed before the junior-year)
- CHEM 132 - Survey of Chemistry I Credits (4)  
  (course to be completed before the junior-year)
- CHEM 133 - Survey of Chemistry II Credits (4)  
  (course to be completed before the junior-year)
  
  or
- CHEM 140 - Advanced General Chemistry Credits (4)  
  (course to be completed before the junior-year)
  
  and
- CHEM 241 - Organic Chemistry I Credits (3)  
  (course to be completed before the junior-year)

**Concentration**
**Concentration selected from**

**Science Hours 17**
- CHEM 242 - Organic Chemistry II Credits (3)
- CHEM 272 - Organic Chemistry Lab Credits (2)
- HSCC 470 - Research Methodology and Analysis in Health Science Credits (2)
- PHYS 130 - Introductory Physics I Credits (4)
- PHYS 131 - Introductory Physics II Credits (4)

**Plus**
2 hours from
- BIOL courses
- CHEM Courses
- ENVH 470 - Principles of Epidemiology Credits (3)

**Health Management Hours 17**
- HSCC 311 - Systems and Trends in Health Care Delivery Credits (3)
- HSCC 318 - Department Administration Credits (3)
- HSCC 450 - Financial Management in Health Care Credits (3)
- HSCC 470 - Research Methodology and Analysis in Health Science Credits (2)

**Plus**
6 hours from
- ACCT 161 - Accounting for the Non-Business Major Credits (3)
- ECON 231 - Introductory Microeconomics and Social Issues Credits (3)
- EMC 445 - EMC Systems Management Credits (3)

250
• EMC 488 - EMC Management Internship Credits (2, R4)
• HSCC 320 - Human Resource Management in Health Care Agencies Credits (3)
• HSCC 440 - Quality Management in Health Care Agencies Credits (3)
• HSCC 471 - Research Project Credits (1, R2)
• MATH 170 - Applied Statistics Credits (3)
• MGT 304 - Human Resource Management Credits (3)
• MGT 306 - Behavioral Science in Organizations Credits (3)

Wilderness Medicine Hours 17
• EMC 210 - Introduction to Wilderness Medicine Credits (3)
• EMC 310 - Wilderness Medicine I Credits (3)
• EMC 440 - Wilderness Medicine II Credits (3)
• EMC 450 - Wilderness Medicine III Credits (3)
• EMC 486 - Wilderness Medicine Clinical Practicum Credits (3)
• HSCC 470 - Research Methodology and Analysis in Health Science Credits (2)

Electives
General electives (7-8 hours)
Visit the department's website at http://www.wcu.edu/4637.asp to view the 8 semester curriculum guide

Environmental Health, B S

Total number of hours for program 126
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
Liberal Studies Program Requirements
Major Requirements
The major requires 76 hours as follows
• BIOL 313 - Microbiology in Health and Nutrition Credits (3)
• CHEM 139 - General Chemistry I Credits (4)
• CHEM 140 - Advanced General Chemistry Credits (4)
• CHEM 330 - Aquatic Chemistry (Lecture 3, Lab 1) Credits (Lecture 3, Lab 1)
• ENVH 230 - Introduction to Environmental Health Science Credits (3)
• ENVH 260 - Etiology of Infectious Diseases, Lecture Credits (1-2)
• ENVH 261 - Etiology of Infectious Diseases Laboratory Credits (1-2)
• 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)
Additional Requirements

Designated Electives (Emphasis) (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. The area of emphasis will be chosen in conjunction with the student's advisor. Six (6) or more of the emphasis hours must come from 300 or 400 level courses.

General Electives

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

Total Hours 126

Visit the department's website at http://www.wcu.edu/4636.asp to view the 8 semester curriculum guide.

Health Information Administration, B.S.

Total number of hours for the program 122

Declaration of a major in Health Information Administration 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 Health Information program website linked from the School of Health Sciences.

Minimum GPA Requirement 2.25

When do students apply? Students may apply to the program after or while completing a minimum of 60 semester hours including all liberal studies and pre-professional courses with a 2.25 GPA.

Required Pre-requisites None

Retention in the Program In order to remain in the program, students must earn a grade of C (2.0) or above in each professional course (HSCC and HIA prefixes).

Additional Information The Health Information Administration program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). HIA graduates are eligible to take the national certification examination. Successful completers of the exam earn the Registered Health Information Administrator (RHIA) credential.

Liberal Studies Hours 42

Liberal Studies Program Requirements

Liberal Studies Requirements
BIOL 291 (4) may be used to meet liberal studies requirements. Students using this option will need 3 hours of additional electives to complete the 122 hour program.

Major Requirements
The major requires 68 hours as follows:

- BA 300 - Business Communications Credits (3)
- BIOL 291 - Human Anatomy and Physiology I Credits (4)
- BIOL 292 - Human Anatomy and Physiology II Credits (4)
- HIA 310 - Introduction to Health Information Administration Credits (2)
- HIA 313 - Health Care Statistics and Registries Credits (3)
- HIA 314 - Health Data Systems Credits (3)
- HIA 322 - Inpatient Coding Credits (3)
- HIA 324 - Outpatient Coding Credits (3)
- HIA 326 - Principles of Disease Credits (4)
- HIA 387 - Professional Practice Experience I Credits (1)
- HIA 388 - Professional Practice Experience II Credits (1)
- HIA 412 - Health Care Reimbursement Credits (3)
- HIA 418 - Organization Administration Credits (3)
- HIA 420 - Health Care Informatics Credits (3)
- HIA 487 - Professional Practice Experience III Credits (1)
- HIA 488 - Professional Practice Experience IV Credits (4)
- HIA 495 - Seminar in Health Information Administration Credits (3)
- HSCC 220 - Medical Terminology Credits (3)
- HSCC 311 - Systems and Trends in Health Care Delivery Credits (3)
- HSCC 318 - Department Administration Credits (3)
- HSCC 330 - Legal and Legislative Aspects of Health Care Credits (1-3)
- HSCC 440 - Quality Management in Health Care Agencies Credits (3)
- HSCC 450 - Financial Management in Health Care Credits (3)
- HSCC 470 - Research Methodology and Analysis in Health Science Credits (2)

Electives
Electives (12 hours) are required to complete the program.

Additional Information
Visit the department's website at http://www.wcu.edu/4635.asp to view the 8 semester curriculum guide.

Nutrition and Dietetics, B.S.

Total number of hours for the program: 120
The program consists of 42 hours of liberal studies, 42 hours in the major, and a choice of either the Registered Dietitian or Community Health Concentration (42-43 hours) and general electives (9-10 hours).

Liberal Studies Hours: 42
Liberal Studies Program Requirements
Major Requirements
The major core requires 42 hours as follows (9 of which are included in the Liberal Studies core):

- BIOL 140 - Principles of Biology I Credits (4)
- BIOL 240 - Introduction to Genetics Credits (4)
- HSCC 220 - Medical Terminology Credits (3)
- HSCC 370 - Introduction to Pharmacology Credits (2)
- MATH 170 - Applied Statistics Credits (3)
- ND 239 - Dietetics as a Profession Credits (1)
- ND 310 - Food, Nutrition, and Culture Credits (3)
- ND 330 - Human Nutritional Needs Credits (3)
- ND 331 - Food Science Credits (4)
- ND 334 - Nutritional Applications Credits (3)
- ND 340 - Community Nutrition Credits (3)
- ND 335 - Nutrition Through the Life Cycle Credits (3)
- ND 433 - Research Methods in Nutrition Credits (3)
- PSY 150 - General Psychology Credits (3)

**Registered Dietitian Concentration**

The Registered Dietitian concentration requires 43 hours (6 of which are liberal studies)

- BIOL 293 - Human Physiology for Health Science Majors Credits (4)
  (course to be completed before the junior year)
- BIOL 313 - Microbiology in Health and Nutrition Credits (3)
- CHEM 132 - Survey of Chemistry I Credits (4)
  (course to be completed before the junior year)
- CHEM 133 - Survey of Chemistry II Credits (4)
  (course to be completed before the junior year)
- ENVH 260 - Etiology of Infectious Diseases, Lecture Credits (1-2)
- ND 333 - Quantity Food Production Credits (3)
- ND 342 - Nutrition in Athletics Credits (3)
- ND 432 - Institutional Food Service Management I Credits (3)
- ND 435 - Institutional Food Service Management II Credits (3)
- ND 439 - Introduction to Professional Practice Credits (1)
- ND 441 - Nutritional Biochemistry I Credits (3)
- ND 442 - Nutritional Biochemistry II Credits (3)
- ND 451 - Medical Nutrition Therapy I Credits (3)
- ND 452 - Medical Nutrition Therapy II Credits (3)
- ND 453 - Therapeutic Nutrition Laboratory Credits (1)
- ND 461 - Media Presentations for Dietetics Professionals Credits (1, R2)
- ND 483 - Internship Credits (1)
  or
- ND 484 - Internship Credits (1)
  or
- ND 485 - Internship Credits (1)

**Electives**

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

Visit the department's website at http://www.wcu.edu/4633.asp to view the 8 semester curriculum guide

**Community Health Concentration**

The Community Health Concentration requires 42 hours (Six of these eight hours are in the Liberal Studies core)
• BIOL 293 - Human Physiology for Health Science Majors Credits 4
• CHEM 132 - Survey of Chemistry I Credits (4)
• CHEM 133 - Survey of Chemistry II Credits (4)
• COUN 430 - Individual and Group Counseling Credits (3)
• ENVH 210 - Global Disparities in Public Health Credits 3
• ENVH 470 - Principles of Epidemiology Credits (3)
• HPE 350 - Current Health Problems Credits (3)
• HPE 312 - Health Education Pedagogy Credits (3)
• ENVH 260 - Etiology of Infectious Diseases, Lecture Credits (1-2)
• ND 444 - Nutrition Education Credits (3)
• ND 450 - Nutrition Theory for Health Professionals Credits (3)
• PSY 363 - Behavioral Intervention Credits (3)
• PSY 470 - Abnormal Psychology Credits (3)

Electives
General electives (9 hours) are required to complete the program

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

When do students apply? Students may apply for admission to the major at any time after becoming a student at WCU.

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

Liberal Studies Program Requirements

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 401 - Client Assessment in Recreational Therapy Credits (3)
• RTH 352 - Recreational Therapy Processes and Techniques Credits (3)
• RTH 360 - Recreational Therapy Services for Older Adults Credits (3)
• RTH 395 - Pre-Internship Seminar Credits 1
• RTH 417 - Administration of Recreational Therapy Services Credits (3)
• RTH 370 - Methods in Recreational Therapy 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 220 - 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:
- PE 365 - Physical Activity and Aging Credits (3)
- PE 423 - Kinesiology Credits (3)
- HPE 225 - Applied Kinesiology II - Exercise Physiology Credits (4)
- HPE 235 - Motor Behavior Credits (3)

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. Note:

Students may apply for admission to the major at any time after becoming a student at WCU. Admission to the Bachelor of Science degree requires completion of the application for new majors. The recreational therapy admission application includes development of a strategic plan for undergraduate studies in recreational therapy, submission of a reflective essay on why the applicant is choosing to study recreational therapy, and completion of the recreational therapy pre-admission knowledge assessment. 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/4632.asp to view the 8 semester curriculum guide.

**Minor**

**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.

**Nutrition and Dietetics, Minor**

Total number of hours for the program 20
The minor requires 20 hours, including:
- ND 239 - Dietetics as a Profession Credits (1)
- ND 330 - Human Nutritional Needs Credits (3)
- ND 331 - Food Science Credits (4)
Electives
Select 6 hours of approved electives from the following
- ND 310 - Food, Nutrition, and Culture Credits (3)
- ND 335 - Nutrition Through the Life Cycle Credits (3)
- ND 342 - Nutrition in Athletics Credits (3)
- ND 444 - Nutrition Education Credits (3)
- ND 450 - Nutrition Theory for Health Professionals Credits (3)

School of Nursing

Vincent P. Hall, director
P. Angrisani, A. Carpenter, S. Chapman, C. Clark, E. Colon, S. Forst, B. Garner, J. Hill, S. Jacques,
A. Johnson, A. Jones, M. Knowlton, S. Metcalfe, L. Norris, A. Putnam, B. St. John, B. Rogers, C.
Tucker, J. Wetmore
VA Nursing Academy Affiliate Faculty D. Deutch, J. Godfrey, J. Guttery

Pre-Licensure Nursing

Declaration of a major in pre-nursing does not guarantee admission into the program. Students must
formally apply and be admitted into the program before beginning the professional sequence of
courses and/or proceeding into clinical placements. Admission to the upper-division nursing major is
competitive, and priority is given to the best qualified students. Admission is based on cumulative
GPA (3.00) minimum on all previous undergraduate college work and test scores. In addition to the
academic requirements below, students are expected to adhere to the technical and professional
standards and safe practice policies of the program. For the most up to date information regarding
these standards, refer to the Nursing program website.

Minimum GPA Requirement 3.00

When do students apply? To be considered for admission, all students must have completed, or be
in the process of completing, 60 semester hours of college work, including program requirements.
Applications from non-RNs are accepted twice per year. Refer to the nursing website
(http://nursing.wcu.edu) for applicant deadlines.

Required Pre-requisites To be considered for admission, all students must have completed, or be
in the process of completing, 60 semester hours of college work, including program requirements.
Retention in the Program Students must take and pass with a grade of C (2.00) or better all
required courses in sequence and demonstrate professional and safe nursing practice. In addition,
courses which combine selected content areas require the student to demonstrate competency in each
content area by achieving a minimum exam score average of C (77%). For more information on
retention policies in the nursing program, refer to the Nursing program website.

Accelerated Entry-Option For Second Degree Students - Pre-Licensure Nursing Track
The accelerated 12-month option provides a fast track for students ready for a challenging transition
to a career as a bachelor-of-science-educated registered nurse. The course requirements for the
ABSN are the same as for the traditionally scheduled program, however the content is taught in a
compressed format. The ABSN is designed for non-working, full-time students. The ABSN option is
taught on the Enka campus of Asheville-Buncombe Community College. Admission is based on
cumulative GPA (3.00) minimum on all previous undergraduate college work and test scores. An
interview with ABSN Admissions Committee (scheduled after application is complete) is also required

The "accelerated" pre-licensure entry-option, ABSN, is only for persons who
- Already have a bachelor's (or higher) degree in another discipline from an accredited college or university
- Have completed the prerequisites for the nursing major as listed on the website
- Can commit to an intense 12-month course of study
- In addition to the academic requirements below, students are expected to adhere to the technical and professional standards and safe practice policies of the program

Minimum GPA Requirement 3.0 cumulative GPA from all undergraduate institutions

When do students apply? Applicants are accepted twice per year. Refer to the nursing website (http://nursing.wcu.edu) for application deadlines

Retention in the Program Students must take and pass with a grade of C (2.00) or better all required courses in sequence and demonstrate professional and safe nursing practice. In addition, courses which combine selected content areas require the student to demonstrate competency in each content area by achieving a minimum exam score average of C (77%). For more information on retention policies in the nursing program, refer to the Nursing program website

RN to BSN Nursing Track
To be admitted to the program, students must satisfy the following admission prerequisites
- A current, unrestricted license to practice as an RN in North Carolina (includes Compact states)
- A cumulative GPA of 2.5 or higher on all post-secondary courses
- Completion of the School of Nursing course prerequisites and the WCU Liberal Studies requirements with grades of C or better
- Accumulation of at least 60 semester non-nursing credit hours
- The WCU Liberal Studies requirement is waived if student has a previous baccalaureate degree or an Associate of Arts or Associate of Science from a North Carolina Community College. An Associate of Applied Science degree does not waive this requirement

Retention in the Program Students must maintain a cumulative GPA of 2.25 overall in the major and earn a grade of C (2.0) or better in each required course in the major in order to remain in the program
- Students are expected to adhere to the technical and professional standards and safe practice policies of the program
- For the most up-to-date information regarding standards, refer to the Nursing program website
- See the Nursing program website for application deadlines

The RN to BSN track is only for persons who
- Have a current, unrestricted license to practice as an RN in North Carolina 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 online program (two required meetings per semester on the Enka Campus)

Major

Nursing, BSN Degree/Basic Curriculum Option

Total number of hours for the program 122
Liberal Studies Hours 42
Liberal Studies Program Requirements

Nursing Major Prerequisite Requirements 25 hours

- 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 140 - Advanced General Chemistry Credits (4)
- CHEM 133 - Survey of Chemistry II Credits (4)
- ENVH 260 - Etiology of Infectious Diseases, Lecture Credits (1-2)
- MATH 130 - College Algebra 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 67 hours

The nursing major requires the following 67 hours

- ND 338 - Normal and Therapeutic Nutrition Credits (3)
- NSG 101 - Introduction to Professional Nursing Credits (1)
- NSG 310 - Foundations of Nursing Credits (4)
- NSG 311 - Foundations of Nursing 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 (3)
- NSG 321 - Adult Nursing Practicum Credits (4)
- NSG 322 - Concepts of Geriatric Nursing Credits (2)
- NSG 323 - Pharmacotherapeutics in Nursing II Credits (2)
- NSG 324 - Evidence Based Nursing Practice Credits (2)
- NSG 325 - Nursing Ethics and Health Policy Credits (2)
- NSG 346 - Pathophysiology for Nursing Credits (3)
- NSG 410 - Concepts of Adult Nursing II Credits (4)
- NSG 411 - Adult Nursing II Practicum Credits (4)
- NSG 412 - Concepts of Maternal/Child Nursing Credits (3)
- NSG 413 - Maternal/Child Nursing Practicum Credits (3)
- NSG 414 - Advanced Technology & Pharmacotherapeutics Credits (2)
- NSG 420 - Synthesis of Nursing Concepts Credits (2)
- NSG 421 - Synthesis of Nursing Practicum Credits (4)
- NSG 422 - Concepts of Community/Mental Health Nursing Credits (4)
- NSG 423 - Community/Mental Health Nursing Practicum Credits (4)
- NSG 424 - Concepts of Nursing Leadership in Management Credits (2)

Electives

259
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/4193.asp to view the 8 semester curriculum guide.

Nursing, B.S.N Degree/RN to BSN Track (formerly Capstone)

Total number of hour for the program 122
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 73 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 (1-2)
- 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) Credit by validation on successful completion of NSG 399
- 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)

(cred by approved substitute)

Plus

- CHEM 132 - Survey of Chemistry I Credits (4)
or
- CHEM 133 - Survey of Chemistry II Credits (4)
or
- CHEM 140 - Advanced General Chemistry Credits (4)

or one college-transfer chemistry course with a lab

Electives
General electives are also required to complete the program. Eight of these hours must be from WCU at the upper-division level to satisfy degree requirements.

RN to MSN 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 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 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://www.wcu.edu/4193.asp to view the semester curriculum guide.

Nursing, B.S.N. 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-art educated registered nurse. Students will be dual enrolled at WCU and AB Tech throughout the 4 year program and will have to meet both schools/programs admission requirements. Major prerequisites and nursing courses for the first 3 years will be taken at AB Tech, students will take one liberal studies course per semester at WCU. Fourth year will be nursing courses at WCU.

First Year (32 semester hours)

- Fall
  - Liberal Studies Perspectives course (3)

- Spring
  - PSY 150 - General Psychology Credits (3)

AB Tech 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)

AB Tech courses (31 hours)

Fall Junior Year (16 semester hours)

- Upper Level Perspectives course (3)

AB Tech courses (13 hours)

Spring Junior (16 semester hours)
• Upper Level Perspectives course (3)
• AB Tech courses (13 hours)

Fall Senior Year (12 semester hours)
• NSG 302 - Community Health Nursing I Theory Credits (3)
• NSG 303 - Spiritual Dimensions of Nursing Credits (3)
• NSG 322 - Concepts of Geriatric Nursing Credits (2)
• NSG 327 - Essentials of Baccalaureate Nursing Credits (4)
• NSG 384 - Community Health Nursing II Practicum Credits (2)

Spring Senior Year (12 semester hours)
• NSG 420 - Synthesis of Nursing Concepts Credits (2)
• NSG 421 - Synthesis of Nursing Practicum Credits (4)
• 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)

Social Work

Patricia Morse, head
D Beck, J Crolley-Simic, J Dulworth, D Greene, M Huff, R Lasher, J LeRoy Robinson, P Morse, M Richardson, T Westbrook

The social work program is accredited by the Council on Social Work Education, and its principal educational goal is to prepare students for beginning generalist social work practice

Major

Social Work, B.S.W.

Total number of hours for the program 120
Declaration of a major in Social Work 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 Social Work program website linked from the College of Health and Human Sciences.

Minimum GPA Requirement 2.5

When do students apply? Students must complete application and submit to the department by the third Monday in September or third Monday of February.

Required Pre-requisites SOCW 151 completed and be enrolled in SOCW 251 and SOCW 253

Retention in the Program Students must maintain an overall GPA of 2.5 and make a “C” or above in all social work courses.

Additional Information The Social Work Program has been accredited by the Council of Social Work Education (CSWE) since 1974.

Liberal Studies Hours 42
Liberal Studies Program Requirements

Major Requirements
The major requires 60 hours. Only grades of C (2.0) or higher in required and elective social work courses will satisfy requirements for the major. The following courses are required:

- SOCW 151 - Introduction to Social Work Credits (3)
- SOCW 251 - Social Issues, Policy and Programs Credits (3)
- SOCW 253 - Interviewing Skills for Practice 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 II Credits (3)
- SOCW 362 - Direct Practice: Individuals and Families 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)

**Electives**

9 hours of social work electives and general electives (18-27 hours) are required to complete the program.

**Additional Requirements**

A grade of C (2.0) is required in the following courses:

- PSC 150 - American Government and Politics Credits (3)
- PSY 150 - General Psychology Credits (3)
- BIOL 104 - Human Biology Credits (3)

**Admission 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 2.50 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 2.50 GPA each semester after admission in order to remain in the program. See the Department of Social Work’s “Admission and Termination Policies” for detailed information.

Visit the department's website at http://cas.wcu.edu/sw/SW_undergrad.htm to view the 8 semester curriculum guide.

**Minor**

**Social Work, Minor**

Total number of hours for the program: 18

The minor requires 18 hours, including:

- SOCW 151 - Introduction to Social Work Credits (3)
- SOCW 251 - Social Issues, Policy and Programs Credits (3)

**Additional Requirements**

12 hours of social work courses
The College serves over 1,100 Honors 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. 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 College students are invited to live in the Honors Hall. Honors students also benefit from a special diploma (see “Honors College Diploma” below), priority registration, the opportunity to customize their curriculum (see “Honors Curriculum” below), access to Honors courses and special library privileges. Social events put on by The Honors College Student Board of Directors, such as dances, parties, special trips, tournaments, or events through the Jerry Jackson Lectures in the Humanities Series, 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 4.0, 1875 SAT 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 12 credit hours in the first semester at Western Carolina University will be invited to join The Honors College. After the first semester, students who have at least a cumulative 3.50 GPA are welcome to meet with the Dean to be considered for admission on a case-by-case basis.

**To Remain in The College** Honors College students must maintain a 3.10 cumulative GPA at 1 to 29 credit hours, a 3.20 GPA at 30 to 59 hours, and must have a cumulative 3.33 GPA at 60 hours until graduation. 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. 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 Honors due to a lack of Honors hours per term can meet with the Dean 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 their majors are advised by the Honors Director of Advising or the Associate Dean. 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.

**Honors College Curriculum** Because of their academic achievement, Honors students are able to “customize” their Liberal Studies and degree programs. In Liberal Studies, an Honors student may elect to take a higher level course in place of the Liberal Studies course (this requires a completed approval form, available at the Honors Office). If the Honors student completes the higher level course with a B- or higher, the student will receive Honors credit for the course. Honors students...
may create their own degree program (Special Studies degree) with "fast track" approval. For more information on the Special Studies degree and the approval process, contact the Honors Dean.

**Honors College Special Studies Option** Since 2004, Honors students have had the option to get "fast track" approval for Special Studies degrees. Of course, Special Studies Honors students can complete Honors requirements and graduate with the Honors College diploma.

To gain approval for a Special Studies degree, the Honors student must:

1. Begin the process by consulting with a primary advisor (check with Dean Railsback to determine who this will be).
2. Work with the primary advisor to create a Special Studies degree proposal, which will include the completed Special Studies Program Form for Honors Students (PDF) and all required signatures, a list of all courses needed to reach at least 120 total hours for the degree (including Liberal Studies), and a statement (usually one page) from the student that explains how the proposed Special Studies degree will meet that student's professional plans after graduation (career or graduate school).
3. Once the Special 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 Dean Railsback at 828-227-7383.

**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 3.33 cumulative GPA upon graduation to receive the diploma. Graduation from the Honors College will be designated on the transcript.

**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 at http://honors.wcu.edu, the Honor 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.

**Honors College Scholar Program** This is designed for exceptional students who are interested in preparation and sponsorship for prestigious national or international scholarships (for example, the Goldwater, Truman, or Rhodes) Honors College Scholars are allowed to enroll in special tutorial courses with top professors; these experiences usually lead to regional or national undergraduate research experiences. To complete the program, Honors College Scholars must complete at least 12 Tutorial hours (these are not additional hours, however, but they do count as Honors credit). Incoming first-year students who have achieved a minimum weighted 4.0 high school GPA and at least a 1300/2000 SAT or 33 ACT score may be admitted. First-year students who make at least a 3.75 cumulative GPA on at least 12 hours may be admitted. Honors College Scholars must maintain at least a 3.75 cumulative GPA to remain in the program. Graduates of this program will receive special recognition on the diploma and transcript.

**Pre-Professional Programs** Pre-Medicine, Pre-Pharmacy, Pre-Law, Pre-Veterinary Medicine, Pre-Physical Therapy, Pre-Dental, Pre-Optometry, Pre-Physician’s Assistant.

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, students should contact the Pre-Professional Advisor at The Honors College. Call (828) 227-3277, email easharpe@wcu.edu, come by the Honors Hall, or visit the website at http://www.wcu.edu/5502.asp

Undergraduate Research: The Honors College sponsors Undergraduate Academic Project Grants, which are grants of up to $500 each, to support supplies or travel related to student research and creative/performance projects. Students who are accepted to present at the National Conference for Undergraduate Research will have lodging, travel, and registration expenses paid for by The Honors College. Please contact the Dean for more information about these programs at (828) 227-7383 or check the Honors website under “Undergraduate Research.”
The primary mission of the Kimmel School is to prepare students for professional level careers in construction management, engineering and engineering technology. 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 School’s laboratories feature some of the most modern, high tech equipment available at any college or university.

A secondary mission of the Kimmel School 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 School’s Center for Rapid Product Realization and its multi-university-industry partnerships, including the Carolinas MicroOptics Triangle and the Carolinas Photonics Consortium, facilitate this engagement. Classes as well as individual students have the opportunity to become involved in these engagement activities.

Kimmel School Computer Requirement: The Kimmel School uses Virtual Computing Laboratories for instruction. All students enrolling for courses in the School must have a laptop computer that meets standard university networking and hardware configuration requirements.

Construction Management

Dr. J.K. Yates, head
G Burke, G Ford, R Ford, D Jensen, D Kinard, D Martin, R Mau, R Miers, J Patterson
http://cm.wcu.edu

Major

Construction Management, B.S.

Total number of hours for the program: 124
Liberal Studies Hours: 42
Liberal Studies Program Requirements
Liberal Studies Courses

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

- **ECON 231 - Introductory Microeconomics and Social Issues** Credits (3)
- **GEOL 310 - Principles of Soils and Hydrology for Construction Managers** Credits (4)
- **MATH 146 - Precalculus** Credits (4)
- **MKT 409 - Negotiations/Relationship Marketing** Credits (3)
- **PHYS 130 - Introductory Physics I** Credits (4)

**Required for major and also counts for Upper Level Perspective**

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 Graphics and Plan Reading Credits (3)
- CM 211 - Construction Methods and Materials I Credits (3)
- CM 212 - Construction Methods and Materials II 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.

Minor

Construction Management, Minor

Total number of hours for the program 24

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 Graphics and Plan Reading Credits (3)
- CM 211 - Construction Methods and Materials I 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)
Land Development, Minor

Total number of hours for the program 16
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 (6)

Engineering and Technology

Ken Burbank, head
Robert Adams, Robert Anderson, Aaron Ball, Ronald Bumgarner, Michael Claire, Chip Ferguson, Patrick Gardner, Brian Howell, Yejun Huang, William McDaniel, Phillip Sanger, Wes Stone, Peter Tay, Paul Yanik, Weigo Yang, James Zhang

Web address for program http://et.wcu.edu/

Certificate

Engineering Sales and Distribution Certificate

The Engineering Sales and Distribution Certificate is available to students who are pursuing the Engineering Technology degree

Certificate Requirements
An Engineering Sales and Distribution Certificate requires 18 hours to include the following courses

- ET 362 - Engineering Logistics Credits (3)
- ET 436 - Engineering Economic Analysis Credits (3)
- MKT 201 - Marketing Planning and Strategy Credits (3)
- MKT 206 - Introduction to Professional Selling Credits (3)
- MKT 310 - Consultative Selling Credits (3)
- MKT 409 - Negotiations/Relationship Marketing Credits (3)

Occupational Safety Certificate

Students may elect to include in their programs of study a 14-15 hour sequence in 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)
- ENVH 457 - Industrial Hygiene Credits (3)
or
- HEAL 120 - Personal and Community Health Credits (2)
- HSCC 240 - Introduction to Emergency Medical Care Credits (3)

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

Major

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.

Liberal Studies Hours 42

Liberal Studies Program Requirements

Note
Students must be aware that if the Liberal Studies requirements have been completed before declaring the ECET major, that he/she will need to complete MATH 146 and PHYS 130 for the major.

Major Requirements
The major requires 64 hours as follows
- EE 200 - Computer Utilization in C++ Credits (3)
- ECET 211 - Electronic Drafting and Fabrication Credits (3)
- ECET 231 - Circuit Analysis I Credits (4)
- ECET 242 - Electronic Circuits Credits (4)
- ECET 290 - Computer Engineering Fundamentals Credits (3)
- ECET 321 - Circuit Analysis II Credits (4)
- ECET 331 - Digital Integrated Circuits Credits (4)
- ECET 332 - Microcontrollers Credits (4)
- ECET 341 - Advanced Circuit Analysis Credits (3)
- ECET 431 - Microprocessor Interfacing Credits (4)
- ECET 452 - Control Systems Credits (4)
- ECET 461 - Digital Signal Processing Credits (3)
- ECET 464 - Instrumentation Credits (4)
- ECET 479 - Senior Design Project Credits (3)
- ET 461 - Engineering Project Management Credits (3)
- TEL 312 - Electronic Communication Fundamentals Credits (4)
- TEL 345 - Introduction to Local Area Networks Credits (4)
- ECET, ENGR, ET, MATH, CS, TEL Technical Elective Credits (3)

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

270
MATH 146 - Precalculus Credits (4)
MATH 153 - Calculus I Credits (4)
MATH 255 - Calculus II Credits (4)
MATH 170 - Applied Statistics Credits (3)
or
MATH 270 - Statistical Methods I Credits (3)
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.

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 http://www.wcu.edu/3626.asp to view the 8 semester curriculum guide.

Electrical Engineering, B.S.E.E.

Total number of hours for the program: 128.

The B.S.E.E. degree in Electrical Engineering is a joint offering between WCU and UNC-Charlotte. All courses in the degree program are offered on the Cullowhee campus.

Freshmen and transfer students accepted into the University with the request to be in the electrical engineering program will be further evaluated by the department. Based upon an overall evaluation of high school records and test scores, with particular emphasis on advanced courses in math and science and test scores, freshmen may be admitted to one of two tracks:

• FENG - Students with acceptable records will be accepted directly to the Freshman Engineering sequence.
• PENG - Students needing additional courses before being accepted into the Freshman Engineering sequence will be advised as pre-engineers.

Admission to the Electrical Engineering program requires completion of all freshman year engineering program requirements with grades of C or better. Students from the FENG track must also have a minimum cumulative GPA of 2.00 for all courses taken. Students from the PENG track must have a minimum cumulative GPA of 2.50 for all courses taken.

In addition to the University requirements for continued enrollment, students in the electrical engineering program must maintain a cumulative GPA of 2.0 for all courses in the electrical engineering major. Failure to meet this requirement for two consecutive semesters will result in suspension from the electrical engineering program.

Liberal Studies Hours: 42
Liberal Studies Program Requirements
Major courses
Four major courses (12 credits) also meet Liberal Studies requirements: ENGR 199, MATH 152, CHEM 139, and PHYS 230.
Major Requirements
The major requires 85 hours as follows:
Electrical Engineering
• EE 200 - Computer Utilization in C++ Credits (3)
- EE 201 - Network Theory I Credits (3)
- EE 202 - Network Theory II Credits (3)
- EE 211 - Logic and Networks Laboratory Credits (1)
- EE 212 - Instrumentation and Networks Laboratory Credits (1)
- EE 221 - Logic Systems Design I Credits (3)
- EE 222 - Electrical Engineering Design I Credits (2)
- EE 311 - Systems and Electronics Laboratory Credits (1)
- EE 312 - Electromagnetic and Electronic Devices Laboratory Credits (1)
- EE 321 - Electromagnetic Fields Credits (3)
- EE 322 - Electromagnetic Devices Credits (3)
- EE 331 - Fundamentals of Electronics and Semiconductors Credits (3)
- EE 332 - Electronics Credits (3)
- EE 341 - Electrical Engineering Design II Credits (2)
- EE 342 - Solid State Electronic Devices Credits (3)
- EE 351 - Systems Analysis I Credits (3)
- EE 401 - Senior Design I Credits (2)
- EE 402 - Senior Design II Credits (2)
- EE 411 - Analog and Digital Communication Credits (3)
- EE 412 - Electrical Engineering Professional Practice Credits (2)
- EE 425 - Foundations of Optical Engineering Credits (3)
- EE 427 - Foundations of Optical Imaging Credits (3)
- EE 436 - Optical Fiber Communications Credits (3)
- EE 465 - Foundations of Laser Electronics Credits (3)
- ENGR 199 - Introduction to Engineering Practices and Principles I Credits (3)
- ENGR 200 - Introduction to Engineering Practices and Principles II Credits (2)
- ENGR 300 - Professional Development Credits (1)

Mathematics/Science
- CHEM 139 - General Chemistry I Credits (4)
- MATH 152 - Engineering Calculus I Credits (3)
- MATH 252 - Engineering Calculus II Credits (3)
- MATH 253 - Engineering Calculus III Credits (3)
- 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 (3-4)
  (PHYS 231 Lab is not required for Electrical Engineering majors)
- PHYS 310 - Modern Physics Credits (3)
- PHYS 322 - Optics Credits (3)

Additional Information
Visit the department's website at http://www.wcu.edu/3626.asp to view the 8 semester curriculum guide.

Engineering Technology (Applied Systems Technology Concentration), B.S.

272
Total number of hours for the program 124
Liberal Studies Hours 42
Liberal Studies Program Requirements
Major Requirements
The major requires 79 hours as follows

Applied Systems Technology (APT) Concentration Requirements

- CHEM 139 - General Chemistry I Credits (4)
- ECET 301 - Electrical Systems Credits (3)
- ENGL 305 - Technical Writing Credits (3)
- ET 132 - Engineering Graphics Credits (3)
- ET 141 - Engineering Materials and Processes Credits (3)
- ET 231 - 3-D Computer Modeling Credits (3)
- ET 232 - Statics and Strength of Materials Credits (3)
- ET 331 - Quality Systems Credits (3)
- ET 335 - Occupational Safety Standards Credits (3)
- ET 349 - Rapid Tooling and Prototyping Credits (3)
- ET 351 - Engineering Analysis Credits (3)
- ET 362 - Engineering Logistics Credits (3)
- ET 410 - Advanced 3D Computer Modeling and Rapid Prototyping Credits (3)
- ET 420 - Polymer Technology 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 449 - Advanced Rapid Tooling and Prototyping Credits (3)
- ET 461 - Engineering Project Management Credits (3)
- ET 472 - Integrated Control Systems Credits (3)
- ET 478 - Integrated Systems Project Credits (3)
- MATH 140 - Introductory Calculus Credits (5)
- MATH 145 - Trigonometry Credits (3)
  or
- MATH 146 - Precalculus Credits (4)
- MATH 170 - Applied Statistics Credits (3)
- PHYS 130 - Introductory Physics I Credits (4)

General Electives
General electives (3 hours)

Additional Requirements
The mathematics and sciences courses that are required in the major may be used to satisfy liberal studies categories C2 and C5. In this case, 9 hours of general electives must be taken to meet degree requirements.

Visit the department’s website at http://www.wcu.edu/3626.asp to view the 8 semester curriculum guide

Engineering Technology (Engineering and Technical Operations Concentration), BS
The Department of Engineering and Technology offers upper level courses for two year college graduates at three off campus sites: Asheville, Hickory (Morganton), and Spindale, North Carolina. Graduates earn a B.S. degree in Engineering Technology - Concentration in Engineering and Technical Operations. This program is accredited by Southern Association of Colleges (SACS). For further information, contact Dr. William McDaniel, Distance Learning Program Coordinator, at 828-227-2517 or email mcdaniel@wcu.edu.

**Minor**

**Broadcast Telecommunications Engineering Technology, Minor**

Total number of hours for the program: 19

The minor requires 19 hours including:

- ECET 231 - Circuit Analysis I Credits (4)  
  (Corequisite MATH 146)
- ECET 242 - Electronic Circuits Credits (4)  
  (Prerequisite ECET 231)
- ECET 290 - Computer Engineering Fundamentals Credits (3)
- ECET 331 - Digital Integrated Circuits Credits (4)  
  (Prerequisite ECET 231)
- TEL 312 - Electronic Communication Fundamentals Credits (4)  
  (Prerequisite ECET 242 and MATH 153)

**Digital Communications Engineering Technology, Minor**

Total number of hours for the program: 19

The minor requires 19 hours including:

- ECET 231 - Circuit Analysis I Credits (4)  
  (Corequisite MATH 145)
- ECET 290 - Computer Engineering Fundamentals Credits (3)
- ECET 331 - Digital Integrated Circuits Credits (4)  
  (Prerequisite ECET 231)
- ECET 332 - Microcontrollers Credits (4)  
  (Prerequisite ECET 331)
- PHYS 131 - Introductory Physics II Credits (4)  
  (Prerequisite PHYS 130)

**Telecommunications, Minor**

Total number of hours for the program: 17

A minor of 17 hours may be arranged with the approval of the ECET program director to meet the individual needs and interests of non-majors.

A typical minor will include the following courses:

- TEL 345 - Introduction to Local Area Networks Credits (4)
- TEL 346 - Wide Area Networks Credits (4)
- TEL 445 - Network Planning and Design I Credits (3)
- TEL 446 - Telecommunications Management Credits (3)
- TEL 495 - Seminar on Telecommunications Credits (3)
The Graduate School

Scott E Higgins, dean
Kathleen Brennan, 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.
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.

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.

- **01-100** Noncredit courses which are not applicable to degrees
- **101-199** Courses for freshmen
- **190-199** First-Year Seminar courses
- **200-299** Courses for sophomores
- **300-399** Courses for juniors
- **400-499** Courses for seniors
- **500-799** Masters-level courses
- **800-999** Doctoral-level courses

Students should not enroll in courses numbered above their class rank without the permission of the department offering the course. Undergraduate students may not enroll in graduate level courses for either undergraduate or graduate credit except under the conditions specified in the graduate catalog. In such cases, the student must meet graduate-level requirements to receive credit.

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.

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.

**Core Perspectives**

| C1 Writing | P1 Social Sciences |
| C2 Mathematics | P2 Physical and Biological Sciences |
| C3 Oral Communication | P3 History |
| C4 Wellness | P4 Humanities |
| | P5 Fine and Performing Arts |
| | P6 World Cultures |

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

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.

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 in parentheses immediately following its title. For example, if 3 hours of credit may be earned, the credit is indicated as follows (3) 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 within the parentheses and immediately following the credit-hour value of the course as follows (3, R6) 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 Corequisites  A prerequisite (PREQ) 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 corequisite (COREQ) is any course which must be taken during the same term as the course that specifies the corequisite. 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 bachelors' 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 293 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 Cooperative Education Office in the Career Services Office. 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

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Field of Study</th>
<th>Department/College</th>
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<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
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<td>ANTH</td>
<td>Anthropology</td>
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<td>ASI</td>
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<td>AST</td>
<td>Astronomy</td>
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<td>Athletic Training Sports Medicine</td>
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<tr>
<td>USI</td>
<td>University Studies, Interdisciplinary</td>
<td>Academic Affairs</td>
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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 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 & Notes PREQ 251 Credits (3)

ACCT 275 - Intermediate Accounting I
Accounting theory in financial statements, valuation and present value concepts, current assets. Prerequisites & Notes PREQ 251 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 & Notes PREQ 275 Credits (3)

ACCT 330 - Fraud Examination
Overview of occupational fraud, including fraud theory, prevention, and investigation. Emphasis on fraudulent financial reporting. Prerequisites & Notes PREQ 275 Credits 3

ACCT 352 - Intermediate Accounting II
Theory applied to current and long-term liabilities, plant property and equipment, intangible assets, and stockholders equity. Prerequisites & Notes PREQ 275 and pass WCU's Accounting Competency Exam. 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 & Notes PREQ 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 & Notes PREQ 252 Credits (3)

ACCT 361 - Not-For-Profit Accounting
Accounting principles as applied to governmental agencies and other nonprofit organizations. Prerequisites & Notes PREQ 252 Credits (3)

ACCT 365 - Accounting Information Systems
Accounting information systems including understanding appropriate computer technology in accounting, systems design and evaluation, systems controls, and systems implementation. Prerequisites & Notes PREQ 252 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 & Notes PREQ 275 Credits (3)

ACCT 480 - Independent Research in Accounting
Independent Research in Accounting. Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Junior standing, formal application, permission of accounting internship coordinator. Credits (1-3)

ACCT 493 - Topics in Accounting
Topics in Accounting. Prerequisites & Notes PREQ 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. Credits (3)

Anthropology
ANTH 110 - Origins of Civilization
Survey of human and cultural development from the earliest hominids to the advent of ancient civilizations (P1) Credits (3)

ANTH 120 - Comparative Cultural Systems
Analysis and comparison of the major features of diverse human cultures (P6) Credits (3)

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

ANTH 250 - Archaeology and Bioanthropology
Evolutionary theory, human genetics, primatology, fossil humans, and early civilizations 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 260 - Cultural and Social Anthropology
Survey and comparison of social, political, economic, religious and artistic achievements to provide understanding of cultural diversity Credits (3)

ANTH 327 - Economy and Society
Types of economic systems examined and compared emphasis on preindustrial and industrializing societies Prerequisites & Notes PREQ 260 Credits (3)

ANTH 341 - History of Anthropological Theory
Concepts, theories, and schools of thought in historical context, contributions to contemporary anthropology Prerequisites & Notes PREQ 250, 260 Credits (3)

ANTH 349 - Applied Anthropology
Examination of problems and solutions in programs of directed social and cultural change, case studies Prerequisites & Notes PREQ 250, 260 Credits (3)

ANTH 351 - Environmental Anthropology
Relationships between physical environment and culture nonphysiological means of environmental adaptation Prerequisites & Notes PREQ 250, 260, or SOC 103 Credits (3)

ANTH 361 - World Prehistory
Examination of prehistoric cultural developments and the advent of modern civilization in major world areas Credits (3)

ANTH 363 - Human Origins
Examination of the human, hominid, and primate fossil records Prerequisites & Notes PREQ 250 or permission of instructor Credits (3)

ANTH 364 - Human Osteology
An examination of the human skeleton focusing on bone anatomy and fundamental analytical methods 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 & Notes PREQ 260 Credits (3)

ANTH 379 - Cherokee Arts and Crafts
Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts 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 & Notes PREQ 260 or SOC 103 Credits (3)

ANTH 389 - Cooperative Education in Anthropology
See Cooperative Education Program. Credits (1 or 3, R15)

ANTH 400 - Advanced Topics in Human Osteology
An in-depth examination of the analytical and theoretical aspects of human osteology with an emphasis on forensic applications Prerequisites & Notes PREQ 364 or permission of instructor Credits (3)

ANTH 401 - Osteopathology
A study of bony evidences of disease in prehistory and in forensic applications Prerequisites & Notes PREQ 251 or 364 or permission of instructor 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) Prerequisites & Notes PREQ SOC 103 and SOC 245, or ANTH 260, or permission of instructor Credits (3)

ANTH 417 - Southern Appalachian Culture
Stability and change in the sociocultural institutions of the region Prerequisites & Notes PREQ 260 or SOC 103 Credits (3)

ANTH 419 - Comparative Family
The family as a social institution in various cultures Prerequisites & Notes PREQ 260 or SOC 103 Credits (3)

ANTH 431 - North American Prehistory
Cultural history of the peoples of prehistoric North America including Mexico Prerequisites & Notes PREQ 250 Credits (3)
ANTH 440 - Archaeological Field Techniques
Basics of field work, surveying, photography, excavation, recording, and preservation techniques Prerequisites & Notes PREQ Permission of instructor Credits (6)

ANTH 441 - Archaeological Problems and Analyses
Experience in collecting and analyzing relevant archaeological data Prerequisites & Notes PREQ 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 & Notes PREQ 260 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 & Notes PREQ 260 Credits (3)

ANTH 466 - Folklore
Major forms, theories, and functions of lore among the world's cultures, collection, classification, and analysis of folklore Prerequisites & Notes PREQ 260 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 & Notes PREQ 260 Credits (3)

ANTH 477 - Cultures of sub-Saharan Africa
Cultural diversity and development in sub-Saharan Africa from earliest times to the present Credits (3)

ANTH 481 - Independent Study in Anthropology
Independent Study in Anthropology Prerequisites & Notes PREQ 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 & Notes PREQ Permission of instructor Credits (6)

ANTH 493 - Topics in Anthropology
Topics ANTH in Anthropology Prerequisites & Notes PREQ 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 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 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 141 - Life Drawing I
Foundation course using life models as resources for developing visual thinking, drawing ability and essential hand/eye skills Exit portfolio required 6 Studio Prerequisites & Notes PREQ 131 Credits (3, R6)

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 Credits (3)

283
ART 202 - Art of World Cultures
Traditional and contemporary art of the indigenous peoples of the Americas, Africa, and the Pacific Rim from a social, ethnological, environmental, and religious viewpoint (P6) Credits (3)

ART 231 - Life Drawing II
Students will develop individual drawing styles while using the human figure as a model Prerequisites & Notes PREQ 141 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 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 Credits (3)

ART 300 - 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 & Notes PREQ 141 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 & Notes PREQ 233 Credits (3, R12)

ART 334 - Printmaking II
Exploration of various printmaking techniques with focus on personal interpretation and perception 6 Studio Prerequisites & Notes PREQ 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 & Notes PREQ 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 critique 6 Studio Prerequisites & Notes PREQ 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 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 & Notes PREQ 333 Credits (3)

ART 378 - Life Drawing III
Students will develop advanced individual drawing styles while using the human figure as a model Prerequisites & Notes PREQ 231 Credits (3)

ART 379 - Cherokee Arts and Crafts
Present-day Cherokee skills of woodworking, basketry, pottery making, and other arts 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 & Notes PREQ 356  Credits (3)

ART 389 - Cooperative Education in Art
See Cooperative Education Program. Credits (1 or 3, RIS)

ART 401 - Art of World Cultures
The course covers traditional and contemporary arts and crafts of a specific culture TBA  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 & Notes PREQ 136  Credits (3)

ART 405 - History of Photography
Study of modern photography starting with early developments in the renaissance, through digital work  Prerequisites & Notes PREQ 137  Credits (3)

ART 406 - Renaissance Art
The Renaissance in Italy and northern Europe, major trends and personalities in art and architecture  Prerequisites & Notes PREQ 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 & Notes PREQ 137 or permission of instructor  Credits (3)

ART 411 - Ceramics IV
Advanced wheel-throwing and hand-building techniques  Prerequisites & Notes PREQ 380  Credits (3)

ART 412 - Nineteenth-Century Painting
Major figures and styles in European painting  Prerequisites & Notes PREQ 137 or permission of instructor  Credits (3)

ART 414 - American Art
From colonial limners to contemporary art  Prerequisites & Notes PREQ 137 or permission of instructor  Credits (3)

ART 416 - Contemporary Art
Contemporary directions in the visual arts since 1945, emphasis on trends during the past five years  Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 137 or permission of instructor  Credits (3)

ART 419 - History of Design
Survey of the development of graphic design from prehistory through contemporary visual communications, topics include typography, photography, illustration, and current conceptual and art historical issues  Prerequisites & Notes PREQ Permission of instructor  Credits (3)

ART 420 - Intermedia in Contemporary Culture
Historical perspective of critical developments in visual media arts beginning with early twentieth century through the present Examination of internet, broadcast, video, interactivity, and virtual media  Credits (3)

ART 433 - Painting III
Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context  Studio  Prerequisites & Notes PREQ 133  Credits (3, R12)

ART 434 - Problems in Printmaking
Study of selected printing media through independent, self-directed projects under faculty supervision  Studio  Prerequisites & Notes PREQ 334  Credits (3, R12)

ART 440 - Advanced Drawing
Perceptual and conceptual drawing design problems, emphasis on a drawing project augmented by discussion, readings, and critique  Studio  Prerequisites & Notes PREQ 330  Credits (3, R12)

ART 443 - Sculpture IV
Emphasis on exploration of sculptural materials and critical thinking within a contemporary context  Studio  Prerequisites & Notes PREQ 342  Credits (3, R12)

ART 451 - Problems in Ceramics
Emphasis on personal direction, critiques of current work, reading in history and criticism  Studio  Prerequisites & Notes PREQ 411  Credits (3, R12)

ART 452 - Problems in Sculpture
Individualized course of study in studio arranged in consultation with a faculty member For advanced students in the major  Prerequisites &
Notes PREQ 443 or permission of instructor Credits (3, R9)

ART 453 - Problems in Painting
Individualized course of study in studio arranged in consultation with a faculty member For advanced students in the major Prerequisites & Notes PREQ 433 or permission of instructor Credits (3, R9)

ART 454 - Problems in Drawing
Individualized course of study in studio arranged in consultation with a faculty member For advanced students in the major Prerequisites & Notes PREQ 330 or permission of instructor Credits (3, R9)

ART 455 - Photography II
Emphasis on developing an individual style of vision by utilizing traditional and contemporary photographic techniques Prerequisites & Notes PREQ 372 Credits (3)

ART 459 - Book Arts II
The exploration of working with the book as an artist’s medium. Students will investigate traditional bookbinding, nontraditional book formats, and image making techniques 6 Studio Prerequisites & Notes PREQ 234, 359 Credits (3, R12)

ART 460 - Motion Graphics
An introduction to working with type, image, sound and animation using time-based digital media Emphasis is on constructing complex meanings through motion graphics Credits (3, R6)

ART 461 - Problems in Design
Individualized course of study in studio arranged in consultation with a faculty member For advanced students in the major Prerequisites & Notes PREQ Permission of instructor Credits (3, R9)

ART 463 - Art Methods for the Middle and High School
Curriculum planning, exploration of suitable art media and methods for teaching art to diverse populations at the middle and high school level Field experience required 6 Studio Prerequisites & Notes PREQ 263 365 EDSE 322, admission to the teacher education program Credits (3)

ART 465 - Art Methods for the Elementary School
Curriculum planning, exploration of age-appropriate art media, and methods for teaching art to diverse populations in the elementary school Field experience required 6 Studio Prerequisites & Notes PREQ 263 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 & Notes PREQ 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 & Notes PREQ Art 371 Credits (3)

ART 472 - Photography III
Emphasis on personal direction and advanced technical problems 6 Studio Prerequisites & Notes PREQ 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 & Notes Permission of instructor Credits (3)

ART 475 - Typography II
Emphasis on personal directions and advanced technical problems applied to typographic expression 6 Studio Prerequisites & Notes PREQ 132, 370, 371, 374 Credits (3, R6)

ART 476 - Problems in Photography
Emphasis on personal interpretation and advanced technical solutions to guided projects 6 Studio Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes Permission of instructor Credits (3, R12)

ART 482 - Independent Study in Art History
Independent Study in Art History Prerequisites & Notes Submitted proposal must be approved by instructor Credits (1-6, R12)

ART 483 - Art Internship
Directed work experience in a professional design studio 9 hours per week Prerequisites & Notes Permission of instructor Credits (3)

ART 486 - Exhibition Practicum

286
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. Prerequisites & Notes: COREQ: EDSE 490, 495. Credits (3)

ART 493 - Topics in Art
Topics in Art. Prerequisites & Notes: PREQ: 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 & Notes: PREQ: Permission of instructor. Credits (3, R6)

ART 495 - Art History Seminar
Detailed study of a topic in art history or criticism. Prerequisites & Notes: PREQ: Permission of instructor, senior standing. Credits (3, R6)

Arts and Sciences Interdisciplinary

ASI 100 - Introduction to American Culture
Survey of contemporary American culture, including basic history, geography, cultural characteristics, and customs. Prerequisites & Notes: PREQ: 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. 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 & Notes: PREQ: 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 & Notes: PREQ: 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 & Notes: PREQ: Admission to the Athletic Training major. 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. Credits (3) (2 Lecture, 1 Lab)

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, 2 Lab. Prerequisites & Notes: PREQ: Admission to the Athletic Training major. 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. 2 Lecture, 2 Lab (5 week course). Prerequisites & Notes: PREQ: Admission to the Athletic Training major. Credits (1)
ATTR 222 - Therapeutic Modalities I
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 2 Lecture, 2 Lab (5 week course)  
Prerequisites & Notes PREQ 221 Credits (1)

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  
Prerequisites & Notes PREQ 210 Credits (3)

ATTR 283 - Clinical Education I
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site 3 meetings  
Prerequisites & Notes PREQ Admission to the Athletic Training major Credits (1)

ATTR 284 - Clinical Education II
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site 3 meetings  
Prerequisites & Notes PREQ 283 Credits (1)

ATTR 323 - Therapeutic Modalities III
Designed to introduce the student to theories of ultrasound, iontophoresis and diathermy as therapeutic modalities commonly utilized in athletic training 2 Lecture, 2 Lab (5 week course)  
Prerequisites & Notes PREQ 222 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 (5 week course)  
Prerequisites & Notes PREQ 323 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 & Notes PREQ 210 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 & Notes PREQ 330 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 & Notes PREQ 210 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 & Notes PREQ 350 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 & Notes PREQ 360 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 & Notes PREQ 350, 360 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 & Notes PREQ 350 Credits (3)

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 3 meetings  
Prerequisites & Notes PREQ 284 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 3 meetings  
Prerequisites & Notes PREQ 383 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  
Prerequisites & Notes PREQ 375 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  
Prerequisites & Notes PREQ 410 COREQ 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 & Notes PREQ 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 Prerequisites & Notes PREQ 365 Credits (1)

ATTR 465 - Pathophysiology
Teaches concepts of clinical pathophysiology related to assessment, recognition and treatment of general medical conditions of the physically active Prerequisites & Notes PREQ 210 Credits (3)

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 3 meetings Prerequisites & Notes PREQ 384 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 & Notes PREQ Permission of instructor Credits (8)

Business Administration

BA 133 - Strategy First
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 Prerequisites & Notes PREQ Permission of the dean Credits (1-6, R6)

BA 300 - Business Communications
Application of written, oral, and interpersonal communication theory in business Prerequisites & Notes PREQ ENGL 102 Credits (3)

BA 304 - Business Communications in a Multicultural Environment
Analysis of the multicultural workforce and its impact on the communicating process. Studies of effective leadership styles, protocols, and negotiating skills will be examined through case studies, debates, and current research Credits (3)

BA 393 - Topics in Business Administration
Topics in Business Administration Prerequisites & Notes PREQ Permission of the dean Credits (1, 6, R6)

BA 480 - Independent Research
Supervised, student-initiated research project Prerequisites & Notes PREQ Permission of department head Credits (3)

BA 493 - Topics in Business Administration
Topics in Business Administration Prerequisites & Notes PREQ Permission of the dean 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 & Notes PREQ 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. Ecosystem 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 underlies 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 108 - Recreational Botany
Identification of native plants on campus and in the field using popular plant guides, derivation of plant names, food and medicinal uses of plants. Two Saturday hikes required 2 Field Credits (1)

BIOL 140 - Principles of Biology I
Introduction to biology for majors. Basic cell structure and function, bioenergetics, introduction to genetics and molecular biology 3 Lecture, 3 Lab (Lecture-4 credits, Lab-0 credit) (Lab is required) Prerequisites & Notes COREQ 140 lecture and 140 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 & Notes COREQ 140 COREQ 141 Lecture and 141 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 - Plant Biodiversity
Southern Appalachian plant diversity as a background in botanical sciences Experience with field identification techniques and human use 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 & Notes PREQ 140, 141 or BIOL 140 and Nutrition major 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 & Notes PREQ 140, 141, and 240 Credits (4)

**BIOL 251 - Natural History of the Southern Appalachians**
Interdisciplinary study of this unique environment, on-site studies, scheduled pack trips 2 Lecture, 6 Lab Prerequisites & Notes PREQ 141 Credits (4)

**BIOL 254 - Dendrology**
Structure, distribution, identification, and economic uses of major forest trees of the United States, emphasis on regional species 2 Lecture, 4 Lab/field Credits (4)

**BIOL 291 - Human Anatomy and Physiology I**
The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems 3 Lecture, 3 Lab Prerequisites & Notes PREQ 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 & Notes 291 Credits (4)

**BIOL 293 - Human Physiology for Health Science Majors**
Comprehensive examination of Human Physiology for Health Science majors Open only to Nutrition, Environmental Health and Clinical Laboratory Science 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 & Notes 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 & Notes PREQ 140, 141, 240, 241 Credits (3)

**BIOL 311 - Animal Physiology**
Principles of homeostasis, cell and tissue communication systems, contractility, respiration, excretion, and metabolism in animals Prerequisites & Notes PREQ BIOL 141 and CHEM 140 Credits (3)

**BIOL 313 - Microbiology in Health and Nutrition**
Morphological, cultural, biochemical, and staining characteristics of microorganisms, emphasis on those that infect man and occur in water, food, and dairy products 2 Lecture, 3 Lab Prerequisites & Notes PREQ Permission of instructor Credits (3)

**BIOL 315 - Introduction to Plant Physiology**
Introduction to plant metabolism, conduct, development, and defense mechanisms 1 Lecture, 1 Lab Prerequisites & Notes PREQ BIOL 141 and CHEM 140 Credits (1)

**BIOL 333 - Cell and Molecular Biology**
Viral, prokaryotic, and eukaryotic cell structure, DNA structure and replication, RNA and protein synthesis, control of gene expression Structure and function of specific cell types 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required) Prerequisites & Notes PREQ 240 or 305 or permission of instructor COREQ 333 lecture and 333 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 351 - Introduction to Plant Physiology**
Introduction to plant metabolism, conduct, development, and defense mechanisms 1 Lecture, 1 Lab Prerequisites & Notes PREQ BIOL 141 and CHEM 140 Credits (1)

**BIOL 361 - Principles of Biochemistry**
This course is cross-listed with CHEM 361 Prerequisites & Notes PREQ CHEM 242 Credits (3)

**BIOL 373 - Invertebrate Zoology**
Morphology, physiology, behavior, ecology, and evolution of invertebrates 2 Lecture, 6 Lab Prerequisites & Notes PREQ 141 Credits (4)
BIOL 374 - Vertebrate Zoology
Morphology, physiology, behavior, ecology, and evolution of vertebrates 3 Lecture, 3 Lab
Prerequisites & Notes PREQ 141 or permission of instructor 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 & Notes PREQ BIOL 241 or permission of instructor Credits (4)

BIOL 389 - Cooperative Education in Biology
See Cooperative Education Program. Prerequisites & Notes PREQ Permission of Department Head Credits (1 or 3, R15)

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 & Notes PREQ 240 PREQ or COREQ 333 Credits (3)

BIOL 413 - Principles of General Microbiology
Survey of microorganisms emphasizing morphology, physiology, and ecology, microorganisms and disease, environmental and applied microbiology Not open to students with credit in 313 Credits (3)

BIOL 414 - Methods of General Microbiology
Microscopy, morphological, cultural, physiological, and serological characteristics of microorganisms, microbiology of food, milk, water, and soil 6 Lab Prerequisites & Notes COREQ 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 & Notes PREQ 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 & Notes PREQ 333 or equivalent Credits (3)

BIOL 417 - Biochemistry
The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems Prerequisites & Notes PREQ BIOL 240, or 304 and 305, CHEM 242 and 272, or permission of instructor Credits (3)

BIOL 419 - Cell Biology
Structure, function, and techniques for the study of cells Prerequisites & Notes PREQ 240 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 & Notes PREQ 304 and 305, or 240 and 241 Credits (3)

BIOL 421 - Principles of Biotechnology
Survey of the methods and applications used in biotechnology, including recombinant DNA methods, genomics, and proteomics 3 Lecture, 3 Lab Prerequisites & Notes PREQ 333 Credits (4)

BIOL 422 - Forensic Biology
Principles of nuclear and mitochondrial DNA analysis, decomposition, autopsy, forensic databases, and bioterrorism 3 Lecture, 3 Lab Prerequisites & Notes PREQ 140, 141, 240, 241 Credits (4)

BIOL 423 - Biophysics
Principles of biophysics relating to E. coli Topics include cell physiology, chemotaxis, molecular motors, physical constraints of an environment, diffusion, receptor complexes, and signal transduction Prerequisites & Notes PREQ 140, 141, 240, 241, MATH 140 Credits (3)

BIOL 424 - Pharmacology
An introduction to medicinal chemistry Topics include pharmacodynamics, pharmacokinetics, and the process of drug discovery, design, and development Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 140, 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 & Notes PREQ 140, 141 Credits (3)

BIOL 452 - Plant Anatomy
Plant cells, tissue organization in phylogenetic perspective, botanical macrotechniques 3 Lecture, 3 Lab Prerequisites & Notes PREQ 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 & Notes PREQ Junior status in biology or permission of instructor Credits (3)

BIOL 455 - Vascular Plants
Biology of higher plants club and small club mosses, quill worts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form 3 Lecture, 3 Lab Prerequisites & Notes PREQ 141 Credits (4)

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 & Notes PREQ MATH 170 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 241, or 304 and 413, or 414 COREQ BIOL 473 Lab Credits (4)

BIOL 475 - Animal Development
Development in animals gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth 3 Lecture, 3 Lab Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 140, 141, 240 or 305, 241 or 304 Credits (4)

BIOL 480 - Research in Biology
Research in Biology Prerequisites & Notes PREQ Junior standing, permission of research director Credits (1-3, R6)

BIOL 493 - Studies in Biology
Studies in Biology Prerequisites & Notes PREQ 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 & Notes PREQ Permission of department head Credits (1)

BIOL 496 - Senior Seminar
Senior Seminar Prerequisites & Notes PREQ 140, 141, 304, 305, and 333, or permission of instructor Credits (1)

BIOL 498 - Senior Thesis I
Directed research conducted in the first semester of the senior year Prerequisites & Notes PREQ Permission of department head Credits (2)

BIOL 499 - Senior Thesis II
Senior thesis and oral presentation following completion of directed undergraduate research Prerequisites & Notes PREQ 498 Credits (1)

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)

**Birth-Kindergarten**

**BK 250 - Introduction to Birth-Kindergarten**
Introduction to the Birth-Kindergarten major and profession 2 Lecture, 1 Lab Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Admission to program GPA 2.75 Credits (3)

**BK 316 - Mathematics and Science**
A study of the development of young children's understanding of numeracy and scientific concepts from a constructivist perspective. Includes regular observation and data collection Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ GPA of 2.75 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 & Notes PREQ GPA of 2.75 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 & Notes PREQ 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 & Notes 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 & Notes PREQ GPA 2.75 or higher Credits (3)

**BK 473 - Early Childhood Assessment for Responsive Instruction**
Exploration of the development needs of the early childhood learner and the assessment techniques teachers utilize in the development of responsive instruction. Field experience and subscription to TaskStream® required Prerequisites & Notes PREQ Teacher Education and GPA 2.75 Credits (3)

**BK 480 - Independent Study**
Independent Study Prerequisites & Notes PREQ
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 & Notes PREQ GPA of 2.75 Admitted 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
COREQ BK 496 GPA 2.75 Admitted to Teacher Ed 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 & Notes COREQ BK 483 Admitted to Teacher Education Credits (2, R4)

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 & Notes PREQ 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 - Advanced General Chemistry
Bonding, thermochemistry, equilibria, acid/base principles, kinetics, and redox chemistry Laboratory uses an inquiry-based approach Prerequisites & Notes PREQ High school chemistry Credits (4)

CHEM 171 - Inquiries Into Chemistry
A discovery-based laboratory featuring guided inquiries into chemistry using current technologies 3 Lab Prerequisites & Notes PREQ 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 principles 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, including equilibria, titrations, redox reactions, and spectrophotometry 2 Lecture, 3 Lab Prerequisites & Notes PREQ CHEM 140, MATH 146 or higher Credits (3)

CHEM 241 - Organic Chemistry I
Aliphatic and aromatic compounds of carbon, relationships between structure and reactivity Prerequisites & Notes PREQ 140 Credits (3)

CHEM 242 - Organic Chemistry II
Continuation of 241 introductory theory of instrumentation and applications of spectral methods in structure determination Prerequisites & Notes PREQ 241 Credits (3)

CHEM 272 - Organic Chemistry Lab
Synthetic organic techniques and contemporary methods of analysis including NMR, FT-IR, and GC 6 Lab Prerequisites & Notes PREQ or COREQ 242 Credits (2)

CHEM 321 - Inorganic Chemistry
Physical and chemical properties of the elements and their compounds, emphasis on chemical reactions Prerequisites & Notes PREQ 140 Credits (3)

CHEM 330 - Aquatic Chemistry (Lecture 3, Lab 1)
The sources, reactions, transport and effects of chemical species in water. Topics include phase interactions, aquatic microbial biochemistry, water pollution and treatment 3 Lecture, 1 Lab (Lab is not available to chemistry majors) Prerequisites
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 352</td>
<td>Physical Chemistry I</td>
<td>Introduction to chemical thermodynamics and kinetics</td>
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<td>Prerequisites &amp; Notes: PREQ 242, MATH 140 or 153 Credits (3)</td>
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<tr>
<td>CHEM 361</td>
<td>Principles of Biochemistry</td>
<td>Structures and properties of biomolecules, central principles of metabolism This course is cross-listed with BIOL 361. Prerequisites &amp; Notes: PREQ 242 Credits (3)</td>
</tr>
<tr>
<td>CHEM 370</td>
<td>Instrumental Analysis I</td>
<td>Introduction to instrumental methods, including gas and liquid chromatography, atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy, and photometric methods. Prerequisites &amp; Notes: PREQ 232 Credits (4)</td>
</tr>
<tr>
<td>CHEM 371</td>
<td>Chemical Dynamics</td>
<td>Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems. Prerequisites &amp; Notes: PREQ 370 Credits (2)</td>
</tr>
<tr>
<td>CHEM 380</td>
<td>Research in Chemistry</td>
<td>Chemical research projects for individual students Lab, 3 hours weekly in lab per credit hour. Prerequisites &amp; Notes: PREQ 2.5 GPA in major and permission of instructor Credits (1-3,R12)</td>
</tr>
<tr>
<td>CHEM 389</td>
<td>Cooperative Education in Chemistry</td>
<td>See Cooperative Education Program Credits (1 or 3, R15)</td>
</tr>
<tr>
<td>CHEM 411</td>
<td>Industrial Chemistry</td>
<td>Processes, operations, marketing, and management in chemical manufacturing. Prerequisites &amp; Notes: PREQ 242, 370 Credits (3)</td>
</tr>
<tr>
<td>CHEM 421</td>
<td>Advanced Inorganic Chemistry</td>
<td>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 &amp; Notes: PREQ 321 and 352 COREQ 453 Credits (3)</td>
</tr>
<tr>
<td>CHEM 435</td>
<td>Instrumental Analysis II</td>
<td>Advanced theory and practice in modern chemical instrumentation, including environmental, biological and materials applications. Prerequisites &amp; Notes: PREQ 370 or COREQ 352 Credits (3)</td>
</tr>
<tr>
<td>CHEM 441</td>
<td>Advanced Organic Chemistry</td>
<td>Synthetic methods and mechanistic study to include selected topics emphasizing the relationships between structure and reactivity. Prerequisites &amp; Notes: PREQ 242, 370 Credits (3)</td>
</tr>
<tr>
<td>CHEM 442</td>
<td>Introduction to Organic Polymers</td>
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<td>Linear and cross linked polymers and selected topics emphasizing relationships between structure and properties. Prerequisites &amp; Notes: PREQ 370 Credits (3)</td>
</tr>
<tr>
<td>CHEM 453</td>
<td>Physical Chemistry II</td>
<td>Quantum mechanics, introduction to molecular spectroscopy and applications of thermodynamics. Prerequisites &amp; Notes: PREQ 352, MATH 255, and PHYS 230 Credits (3)</td>
</tr>
<tr>
<td>CHEM 454</td>
<td>Computer Interfacing</td>
<td>Digital logic, computer design, and interfacing with laboratory instruments. This course is cross-listed with PHYS 454. Prerequisites &amp; Notes: PREQ 2 Lecture, 3 Lab Credits (3)</td>
</tr>
<tr>
<td>CHEM 461</td>
<td>Environmental Chemistry</td>
<td>Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. Prerequisites &amp; Notes: PREQ 352 Credits (3)</td>
</tr>
<tr>
<td>CHEM 462</td>
<td>Molecular Bioinformatics</td>
<td>Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. Prerequisites &amp; Notes: PREQ 361 or permission of instructor Credits (3)</td>
</tr>
<tr>
<td>CHEM 463</td>
<td>Molecular Biotechnology</td>
<td>Overview of modern biotechnology from a molecular perspective. Prerequisites &amp; Notes: PREQ CHEM or BIOL 361 Credits (3)</td>
</tr>
<tr>
<td>CHEM 464</td>
<td>Genomics</td>
<td>Molecular aspects of cellular genomes. Prerequisites &amp; Notes: PREQ CHEM or BIOL 361 Credits (3)</td>
</tr>
<tr>
<td>CHEM 465</td>
<td>Forensic Chemistry</td>
<td>Introduction to modern forensic chemistry with emphasis on the use of instrumental methods of analysis. Prerequisites &amp; Notes: PREQ 242, 272, and 370 Credits (4)</td>
</tr>
<tr>
<td>CHEM 472</td>
<td>Chemical Syntheses</td>
<td>Multistep synthesis of inorganic and organic compounds. Prerequisites &amp; Notes: PREQ 272 Credits (2)</td>
</tr>
<tr>
<td>CHEM 493</td>
<td>Topics in Chemistry</td>
<td>1-3 Lecture, 0-3 Lab or Seminar. Prerequisites &amp; Notes: PREQ Junior standing and permission of department head Credits (1-3, R6)</td>
</tr>
<tr>
<td>CHEM 495</td>
<td>Seminar in Chemistry</td>
<td>2 Seminar Credits (1, R4)</td>
</tr>
<tr>
<td>FS 463</td>
<td>The Scientific Method</td>
<td>Explores the nature of evidence, proof, certainty, probability, historic developments within science, hypothesis testing and surveys of science in the courtroom in society. Prerequisites &amp; Notes: PREQ Student must be of junior/senior standing Credits (3)</td>
</tr>
</tbody>
</table>
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 & Notes Students must be admitted into the forensic science program and be in good academic standing Credits (3)

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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Permission of instructor Credits (3)

CHIN 232 - Intermediate Modern Chinese II
Continued study of Chinese language and culture (P6) Prerequisites & Notes PREQ 231 Credits (3)

CHIN 321 - Chinese Civilization
Geographical, political, cultural and historical aspects of China Instruction will be both in English and Chinese Prerequisites & Notes PREQ CHIN 232 or instructor's permission Credits (3)

Computer Information Systems
CIS 110 - Introduction to Computer Information Systems
Introductory computer concepts including a brief history of computers and terms, the Windows operating system, browsers and the Internet, and microcomputer applications tools Not open to students seeking the BS B A degree Credits (3)

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
Application of programming principles in business, flowcharting, coding, documentation, and testing, computer architecture and data representation 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 - Microcomputer Applications
Problem solving and decision making with selected microcomputer applications such as database and spreadsheets Credits (3)

CIS 293 - Topics in Computer Information Systems
Topics in Computer Information Systems Credits (1-4, R4)

CIS 335 - Enterprise Technology Management
The development, management, and planning of information technologies in the enterprise environment Prerequisites & Notes PREQ 235 Credits (3)
CIS 340 - Business Applications
Development II
The study of state-of-the-art tools and techniques for developing complex business applications, Web application development, multi-tier client-server, SQL. Prerequisites & Notes PREQ 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 decision making Credits (3)

CIS 440 - Advanced Business
Programming Applications
Use of advanced programming techniques to solve business problems and create web based applications. Prerequisites & Notes PREQ 340
Credits (3)

CIS 453 - Database Management Systems
Database processing and application development emphasizing design, implementation, and maintenance of single-user and enterprise wide databases Design and implementation of a database application. Prerequisites & Notes PREQ CIS 253 CO-REQ 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 & Notes PREQ CIS 340 CO-REQ 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 & Notes PREQ 453 and 455
Credits (3)

CIS 466 - Small Business Computing
Technology, software design, programming techniques, system design, and analysis related to mini- and microcomputers. Prerequisites & Notes PREQ 251
Credits (3)

CIS 480 - Independent Research in
Information Systems
Independent Research in Information Systems. Prerequisites & Notes PREQ CIS major. permission of department head. Credits (3)

CIS 483 - Internship in Information Systems
Supervised experience using previously studied theory. S/U grading. Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 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. Prerequisites & Notes PREQ CJ 150
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 & Notes PREQ 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. Prerequisites & Notes PREQ CJ 150
Credits (3)

CJ 295 - Criminology & Criminal Justice Sophomore Seminar
Introduces expectations and needs of majors, including the ebriefcase, writing standards, career options, program activities and critical resources. Prerequisites & Notes PREQ CJ 150
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 313 - Criminal Justice Administration  
The administrative aspects of criminal justice practice, including financial and human resources, public relations, and issues related to police, courts, and corrections  
Prerequisites & Notes PREQ CJ150  
Credits (3)

CJ 315 - Investigative Principles  
This course introduces the concepts and methods of the investigative process  
Prerequisites & Notes PREQ 250 or permission of instructor  
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  
Prerequisites & Notes PREQ 250  
Credits (3)

CJ 323 - Crime Scene Investigations  
A survey of methods and techniques used in the scientific investigation of criminal offenses  
Prerequisites & Notes PREQ CJ 150  
Credits (3)

CJ 330 - Criminal Courts  
State and federal court systems, criminal judicial process, and rights of the individual  
Prerequisites & Notes PREQ 250  
Credits (3)

CJ 340 - Institutional Corrections  
Examination of modern corrections through review of penal history, theory, and practice  
Prerequisites & Notes PREQ 250  
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 345 - Organized Crime  
Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field  
Credits (3)

CJ 347 - Gender & Crime  
Discusses whether there are gender differences in antisocial behavior/offending, the risk factors for offending, the consequences of offending, and the treatment of offending  
Credits (3)

CJ 351 - Violence in American Society  
Theories on the causation, manifestations, prevention, and treatment of violent behavior  
International, national, and regional constructs of violence are discussed  
Prerequisites & Notes PREQ CJ 150  
Credits (3)

CJ 354 - Comparative Criminal Justice Systems  
The course examines systems of law, police, courts, and corrections in different countries in order to demonstrate the diversity in legal systems  
Credits (3)

CJ 355 - Theories of Crime  
Theories of law, justice, punishment, and crime causation  
Prerequisites & Notes PREQ CJ150  
Credits (3)

CJ 356 - Cyber Crimes  
This course provides an overview of high technology crimes and the procedures used in the detection, investigation and prosecution of technological crimes  
Prerequisites & Notes PREQ Permission of instructor is required for non majors  
Credits (3)

CJ 370 - Ethics in Criminal Justice  
Examination of ethical issues in the criminal justice field  
Prerequisites & Notes PREQ 250  
Credits (3)

CJ 375 - White-Collar Crime  
An examination of white-collar crimes and the criminal justice response to those crimes  
Prerequisites & Notes PREQ CJ 150  
Credits (3)

CJ 380 - Statistical Analysis for Criminology & Criminal Justice  
Basic introduction to statistics in a criminal justice setting  
Prerequisites & Notes PREQ CJ 280  
Credits (3)

CJ 385 - Issues in Correctional Treatment  
An examination of modern corrections through a review of practices, policies, and problems  
Prerequisites & Notes PREQ CJ 150  
Credits (3)

CJ 424 - Community Corrections  
Development, organization, operation, and results of probation and parole systems as substitutes for incarceration  
Prerequisites & Notes PREQ 250  
Credits (3)

CJ 425 - Police Practices and Problems  
Examination of the police role and law enforcement policy, police organization, personnel issues, management and operations, consolidating patrol services, and community and problem-oriented policing  
Prerequisites & Notes PREQ 250  
Credits (3)

CJ 438 - Minorities, Crime and Social Policy  
Examination of theories and dynamics of ethnic minority status, racism, crime and social policy in America  
Credits (3)

CJ 445 - Supervision & Leadership of Personnel  
An examination of the principles of supervision within criminal justice organizations and its impact  
Credits (3)
on effective performance, policy and procedure, field supervision, and planning Credits (3)

CJ 448 - Community Policing
An examination of the theories of community policing, problem solving models, alternative dispute resolution strategies, and police community relationships Credits (3)

CJ 460 - Drugs and Society
An examination of drugs, pharmacological classification and effects, drug abuse, the evolution of drug laws, law enforcement, and correctional responses for drug offenders Credits (3)

CJ 462 - Applied Research
Lectures and assignments in applying research techniques to real world problems Prerequisites & Notes PREQ 250 and 352 Credits (3)

CJ 463 - Biosocial Criminology
Critically examine how biological/genetic factors are related to one's environment, how environment influences biology, and how biological and environmental factors contribute to antisocial behaviors Credits (3)

CJ 470 - Criminal Justice Policy
Overview of the processes of policy development and policy implementation as well as analyses of the role of politics, media, and bureaucracy Prerequisites & Notes PREQ 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 & Notes 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 & Notes PREQ 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 & Notes PREQ Majors only, senior status Credits (3)

EDM 300 - Methods of Disaster Research
Introduces basic design, interpretation and writing of social science and disaster research Prerequisites & Notes PREQ EDM 250 Credits (3)

EDM 360 - Asset Protection & Critical Infrastructure
Examination of economic, legal, organizational and social infrastructure related to emergency management Prerequisites & Notes PREQ EDM 250 Credits (3)

EDM 435 - Homeland Security
Overview of relevant issues relating to the problems and practices of providing "homeland security" Seminar Credits (3)

EDM 457 - Terrorism
Examination of the origins, evolution, dimensions, and impacts of both domestic and international terrorism Credits (3)

Clinical Laboratory Sciences

CLS 275 - Introduction to Clinical Laboratory Science
Introduction to the profession for those planning a career in medical technology, emphasis on accreditation, certification, ethics, and job analysis Credits (1)

CLS 300 - Microscopy/Phlebotomy
Electronics, optics, and principles of light applied to lab instrumentation, trouble-shooting and preventive maintenance, and blood collection and specimen handling 2 Lab Credits (1)

CLS 301 - Analysis of Body Fluids
The physiology and microscopic-chemical examination of urine, spinal fluid, semen, and gastric constituents 2 Lecture, 3 Lab Credits (3)

CLS 303 - Hematology/Hemostasis I
Formation and function of cellular components of blood, hematological procedures, and coagulation 2 Lecture, 3 Lab Credits (3)

CLS 304 - Immunology
Host-parasite relationships, formation and function of antibodies, the immune responses in disease processes 2 Lecture, 3 Lab Credits (3)

CLS 306 - Immunohematology
The study of blood component therapy 2 Lecture, 3 Lab Prerequisites & Notes 303 and 304 Credits (3)

CLS 308 - Hematology/Hemostasis II
Hematological states involving classification of anemias, leukemias, enzyme deficiencies, platelet anomalies, and coagulation disorders 2 Lecture, 3 Lab Prerequisites & Notes PREQ 303 Credits (3)

CLS 309 - Clinical Biochemistry
Clinical parameters measuring the biochemical makeup of body fluids and results of lab tests related to disease states 2 Lecture, 3 Lab
Prerequisites & Notes PREQ BIO 361 or CHEM 361 Credits (3)

CLS 310 - Principles of Clinical Precepting
Study of the principles of presenting, bench teaching, learning assessment, and entry-level performance in clinical laboratory teaching Credits (1)

CLS 311 - Clinical Microbiology I
Bacterial physiology as related to disease production, isolation and identification of organisms using current medical laboratory procedures 3 Lecture, 3 Lab Credits (4)

CLS 312 - Clinical Microbiology II
Mechanisms of disease production of mycobacteria, viruses, fungi, and emerging pathogens, isolation and identification of specific organisms by traditional as well as molecular diagnostic methods 2 Lecture, 3 Lab Credits (3)

CLS 315 - Molecular Diagnostics
An introduction to principles and applications for molecular techniques used in the clinical laboratory and in forensics 2 Lecture, 3 Lab Credits (3)

CLS 389 - Cooperative Education in Medical Technology
See Cooperative Education Program. Prerequisites & Notes PREQ HSCC 389 Credits (1 or 3, R12)

CLS 406 - Current Issues in Clinical Laboratory Management
Organization and administration of the clinical laboratory 1 Lecture, 2 Lab Prerequisites & Notes PREQ Coreq or permission of instructor Credits (2)

CLS 480 - Independent Study
Independent Study Prerequisites & Notes PREQ Coreq or permission of instructor Credits (1-2)

CLS 485 - Clinical Practicum in Urinalysis
6 Clinic Prerequisites & Notes PREQ 301 Credits (2)

CLS 486 - Clinical Practicum in Hematology
9-15 Clinic Prerequisites & Notes PREQ 308 Credits (3-5)

CLS 487 - Clinical Practicum in Blood Banking and Serology
9-15 Clinic Prerequisites & Notes PREQ 306 Credits (3-5)

CLS 488 - Clinical Practicum in Microbiology
9-15 Clinic Credits (3-5)

CLS 489 - Clinical Practicum in Clinical Chemistry
9-15 Clinic Prerequisites & Notes PREQ 309 Credits (3-5)

CM 121 - Introduction to Construction
A survey of the construction industry to include history, career opportunities, types of construction, differences in office and jobsite working conditions, expectations and vocabulary Credits (3)

CM 142 - Construction Graphics and Plan Reading
An introduction to construction graphics, sketching, 3D CADD systems and plan reading 2 Lecture, 2 Lab Prerequisites & Notes PREQ or COREQ MATH 146 or 152 or 153 and CM 121 or permission of instructor Credits (3)

CM 211 - Construction Methods and Materials I
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 Prerequisites & Notes PREQ or COREQ Math 146 or 152 or 153 and CM 121 or permission of instructor Credits (3)

CM 212 - Construction Methods and Materials II
Advanced studies on Horizontal Construction Materials, testing procedures, material properties, design, specification, and installation methods using certification standards and guidelines 2 Lecture, 2 Lab Prerequisites & Notes Coreq or permission of instructor 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 & Notes Coreq or permission of instructor Credits (3)

CM 231 - Construction Documents and Codes
Introduction to CSI specifications, construction documentation terminology, building codes, and the documentation process of construction projects Prerequisites & Notes PREQ OR COREQ 121 or permission of instructor 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 & Notes PREQ MATH 146 or 152 or 153, PHYS 130 and construction management major or permission of instructor Credits (3)

CM 242 - Estimating I
Introduction to the classification of work from the plans and specifications, application of basic quantity surveying principles, and the use of estimating software 2 Lecture, 2 Lab Prerequisites & Notes Coreq or permission of instructor 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 Prerequisites & Notes PREQ 211 and 212 or permission of instructor 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. 2 Lecture, 2 Lab Prerequisites & Notes PREQ 242, MATH 170 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. 2 Lecture, 2 Lab Prerequisites & Notes PREQ 342 or permission of instructor 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 & Notes PREQ 211 or permission of instructor Credits (3)

CM 389 - Cooperative Education in Construction
See Cooperative Education program Prerequisites & Notes 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, 1 Lab (Lecture 3 credits, Lab 1 credit) (Lab is required) Credits (4)

CM 393 - Topics in Construction Management
Topics in Construction Management Prerequisites & Notes 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 & Notes PREQ 232 or permission of instructor 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 & Notes PREQ, ACCT 251 and with Junior standing or permission of instructor 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 & Notes PREQ 242 and Junior standing or permission of instructor Credits (3)

CM 424 - Facilities Management
Introduction to management and maintenance of residential, commercial, and industrial building systems. Systems for heating, cooling, electrical, communications, water, waste water, protective coatings, and roofing. Prerequisites & Notes PREQ CM 375 and junior standing or permission of instructor 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 & Notes PREQ 342, LAW 230 or permission of instructor Credits (3)

CM 431 - Construction Project Management
The study of construction procedures and administration process using the latest construction management software to explain typical project management functions and documentation Prerequisites & Notes PREQ 342 or permission of instructor 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 Prerequisites & Notes PREQ 362, 431 and construction management major with senior standing or permission of instructor 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 Credits (6)

CM 480 - Independent Study
Independent Study Prerequisites & Notes
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 & Notes
Construction management major and permission of program director Four hundred hours of work experience Credits (2)

CM 496 - Professional Development Seminar
Course focuses on job search issues, job offers and counter offers, evaluating job offers, resume preparation, interview skills, and introduces community service as a lifelong activity S/U grading Prerequisites & Notes
Construction Management major with senior standing or permission of instructor Credits (1)

Communication

COMM 140 - Introduction to Mass Communication
Survey of the history, function, and economics of the communication industry Credits (3)

COMM 150 - Interpersonal and Small Group Communication
Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills 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 - Introduction to Speech Communication
Basic principles of communication skills and theory in interpersonal, small group, and public communication (C3) Credits (3)

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 & Notes ENGL 102 Credits (3)

COMM 254 - Radio Production I
Practical course in the basics of digital audio production of radio commercials and programming elements for radio broadcasting Credits (3)

COMM 255 - Television Production I
Introduction to the elements of TV broadcasting and production technology, equipment and methodology Minimum of 15 hours lab time per semester Credits (3)

COMM 260 - Introduction to Public Relations
The study of the management function of controlling an organization's communication with its publics Credits (3)

COMM 283 - Radio Practicum I
Practical experiences in radio station operations at WWCU FM Prerequisites & Notes
Declared communication major, overall GPA of 2.5 Credits (3)

COMM 284 - Television Practicum I
Practical experiences in television production Meets one hour per week with 75 hours of television studio or location activity required for the semester Prerequisites & Notes
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 Credits (1)

COMM 302 - Reporting of Public Affairs
Advanced reporting course on selected public affairs topics Prerequisites & Notes
COMM 240 Credits (3, R6)

COMM 303 - Public Relations Writing
Writing persuasive messages for selected audiences in public relations Prerequisites & Notes
COMM 240 Credits (3)

COMM 304 - Magazine and Feature Writing
Writing feature material for newspapers and magazines Prerequisites & Notes
COMM 240 Credits (3)

COMM 305 - Sports Writing
Fundamentals of sports reporting for print media Prerequisites & Notes
COMM 240 Credits (3)

COMM 307 - Advertising Writing
Writing advertising messages for the media Prerequisites & Notes
COMM 240 Credits (3)

COMM 312 - Small Group Communication
Techniques for participation in small groups, roles of group leader and participant, practice in problem solving deliberation Prerequisites & Notes
COMM 150 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 Prerequisites & Notes
COMM 150 Credits (3)
COMM 330 - News Reporting I
Journalistic style writing for cross-platform news reporting in a digital journalism environment
Prerequisites & Notes PREQ COMM 240
Credits (3)

COMM 345 - Public and Mediated Speaking
Principles of public communication skills as related to professional and mediated speaking
Prerequisites & Notes PREQ COMM 201 or equivalent and ENGL 102 Credits (3)

COMM 350 - Communication Theory and Criticism
Survey of theoretical genres used across communication disciplines Prerequisites & Notes PREQ COMM 150 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 Prerequisites & Notes PREQ COMM 240 Credits (3)

COMM 352 - Writing for Broadcast
Writing commercials, public-service announcements, station promotions, and short educational/entertainment features for radio and television Prerequisites & Notes PREQ COMM 240 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 & Notes PREQ 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 & Notes PREQ COMM 255 Credits (3)

COMM 356 - Public Relations Case Studies
Analysis and critique of the theories, strategies and factors used in classic and contemporary public relations campaigns and programs Prerequisites & Notes PREQ COMM 260 Credits (3)

COMM 383 - Radio Practicum II
Advanced experiences in radio station operations at WWCU FM Prerequisites & Notes PREQ COMM 283 and overall GPA of 2.5 Credits (3)

COMM 384 - Television Practicum II
Advanced practical experiences in television production Meets one hour per week with 75 hours of television studio or location activity required for the semester Prerequisites & Notes PREQ 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 & Notes PREQ COMM 240, 330, ENGL 313 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 & Notes PREQ COMM 345 Credits (3)

COMM 404 - Desktop Publishing
The use of personal computers and peripherals to produce publications and promotional materials Credits (3, R6)

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 & Notes PREQ COMM 150, COMM 345 and 6 hours of organizational or human communication classes 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 & Notes PREQ COMM 330 Credits (3)

COMM 456 - The Business of Broadcasting
Principles of operations management in radio, television, and cable at the local and network levels Prerequisites & Notes PREQ 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 & Notes PREQ COMM 254 or 355 Credits (3)

COMM 458 - Broadcast Sales and Promotion
Introduction to the skills involved in marketing and selling broadcast time and promotions The course includes the opportunity for professional
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 & Notes: PREQ COMM 260, 365, 303 or COREQ COMM 404 Credits (3)

COMM 483 - Internship in Communications
Work experience in the communication industry. S/U grading. Prerequisites & Notes: PREQ COMM 260, 365, 303 or COREQ COMM 404 Credits (3)

COMM 493 - Selected Topics in Communication
Study in a special area of interest in communication. Credits (3, R9)

COMM 495 - 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 & Notes: PREQ 385 Credits (3)

COMM 496 - Seminar in Professional Development
The development and evaluation of professional credentials for entry into the communication industry. Credits (1)

COUN 140 - Study Techniques for College
Study techniques and skills, motivation for learning, use of the library, reading improvement laboratory. 1 Lecture, 1 Lab Credits (1)

COUN 150 - Career and Major Exploration
Theory and practice of career, major, and self-exploration. Credits (1)

COUN 230 - Introduction to Peer Tutoring
Theory, practice, and procedures in beginning tutoring. Includes standards of conduct, communication skills, analytical thinking, professional ethics, and timesheet documentation. Prerequisites & Notes: PREQ COMM 260, 365, 303 or COREQ COMM 404 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 330 - Advanced Leadership and Development for Tutors
Theory, practice, and procedures in advanced peer tutoring. Includes characteristics of learning styles, cultural awareness, and intercultural communication, self-evaluation and reflection. Prerequisites & Notes: PREQ COMM 260, 365, 303 or COREQ COMM 404 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 (1)

COUN 440 - Leadership and Advocacy
Leadership and advocacy within agency and educational settings. Credits (3)

COUN 450 - Career Development and Guidance
History of vocational guidance, theories of vocational choice, development of vocational maturity, interests, aptitudes, and other factors in vocational development. Credits (3)

Communication—Human Communication
COMM 417 - Advanced Professional Speaking
Advanced principles of public communication skills as related to professional speaking. Prerequisites & Notes: PREQ COMM 345 Credits (3)
Communication—Electronic Media

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 & Notes PREQ COMM 351 or permission of instructor 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 & Notes PREQ or COREQ MATH 146 or MATH 153 or MATH 255 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 & Notes PREQ Passing of 150 with at least a grade of C Credits (4)

CS 190 - Privacy, Speech and the Internet
Ethical issues that arise from the effect of the Internet on privacy and freedom of speech Credits (3)

CS 210 - Internet Security and Ethics
Types of Internet-based attacks, counter-measures, and the ethical issues that arise Hacking, viruses, worms, spam, identity theft, cryptography, intellectual property, software piracy (P4) Credits (3)

CS 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 & Notes 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 & Notes PREQ 151 or both 150 and EET 331 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 & Notes PREQ 151 Credits (3)

CS 301 - High-Level Languages
ADA, C, PROLOG, LISP, or other high level language(s) approved by the department head Credits (3)

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 & Notes PREQ CS 151 and MATH 153 Credits (3)

CS 340 - Introduction to Scientific Computing
Survey software and programming languages, applications in modeling and simulation, development of algorithms that requires advanced mathematical background Prerequisites & Notes PREQ MATH 255 Credits (3)

CS 350 - Computer Organization
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization Prerequisites & Notes PREQ 151 Credits (3)

CS 351 - Data Structures and Algorithms
Object-oriented program development and advanced data structures recursion, analysis of execution time, sorting and searching, trees, hash tables, and elementary graph algorithms Prerequisites & Notes PREQ 151 and MATH 153 Credits (3)

CS 352 - Organization of Programming Languages
Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation Prerequisites & Notes PREQ 151 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 & Notes PREQ MATH 250 Credits (3)

CS 361 - Computer Graphics
Basics of graphics using ray-tracing, data structures, 2-D and 3-D graphics, basic linear algebra, spheres, planes, reflectivity, light
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 363</td>
<td>Software Development</td>
<td>Techniques for design and construction of reliable, maintainable, and useful software systems. Software development methodologies and object-oriented design for medium and large projects. <strong>Prerequisites &amp; Notes</strong> PREQ 151 and 263.</td>
</tr>
<tr>
<td>CS 370</td>
<td>Operating Systems</td>
<td>Concurrency (synchronization primitives and deadlock) and implementation of the operating system kernel (process management, memory management, and file systems), introduction to computer networks. <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 389</td>
<td>Cooperative Education in Computing</td>
<td>See Cooperative Education Program. <strong>Credits</strong> (1 or 3, R15)</td>
</tr>
<tr>
<td>CS 393</td>
<td>Topics in Computer Science</td>
<td>Topics in Computer Science. <strong>Prerequisites &amp; Notes</strong> PREQ Permission of department head. <strong>Credits</strong> (1-3, R6)</td>
</tr>
<tr>
<td>CS 430</td>
<td>Information Security I</td>
<td>Cryptography, authentication, integrity, and non-repudiation, trusted intermediaries, key distribution, and certification, access control and firewalls, attacks and counter-measures. <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 431</td>
<td>Information Security II</td>
<td>Software reverse engineering, program security, operating systems and database systems security, security administration and audits (prevention, detection, and response), standards for information assurance. <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 451</td>
<td>Algorithms</td>
<td>Selected topics from the theory of algorithms. Topics may include algorithms for parallel computers, polynomials and FFT, number-theoretic algorithms, and computational geometry. <strong>Prerequisites &amp; Notes</strong> PREQ 351.</td>
</tr>
<tr>
<td>CS 452</td>
<td>Advanced Computer Architecture</td>
<td>Advanced topics in computer architecture including pipelining, multiple and parallel processing systems, issues in performance enhancement, data flow computers, and VLSI computations. <strong>Prerequisites &amp; Notes</strong> PREQ 350.</td>
</tr>
<tr>
<td>CS 453</td>
<td>Database Systems</td>
<td>Relational query languages (SQL), database design, normal forms, storage structures, access methods, query processing, crash recovery, transactions, distributed databases, object-oriented and multimedia databases. <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 460</td>
<td>Compiler Construction I</td>
<td>Grammar and finite-state automata, parse trees, top-down and bottom-up parsing, LL(k) and LR(k) grammar, syntax directed translation, term project. <strong>Prerequisites &amp; Notes</strong> PREQ 351.</td>
</tr>
<tr>
<td>CS 462</td>
<td>Systems Programming</td>
<td>Linux tools, shell scripting, program development tools, process controls, introduction to an advanced scripting language (e.g., PHP, Perl, or Python). <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 465</td>
<td>Computer Networking</td>
<td>Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution socket programming, client-server, interface definition languages, component APIs. <strong>Prerequisites &amp; Notes</strong> PREQ 151.</td>
</tr>
<tr>
<td>CS 467</td>
<td>Mobile Application Development</td>
<td>Topics include tools and techniques for mobile application development. Resource-constrained software development. Accessing device resources (sensors, maps), mobile networking. <strong>Prerequisites &amp; Notes</strong> CS 151.</td>
</tr>
<tr>
<td>CS 480</td>
<td>Artificial Intelligence</td>
<td>Machine intelligence, problem reduction, state space search, game trees, expert systems, resolution principle, introduction to LISP. <strong>Prerequisites &amp; Notes</strong> PREQ 351.</td>
</tr>
<tr>
<td>CS 489</td>
<td>Topics in Computer Science</td>
<td>Topics in Computer Science. <strong>Credits</strong> (1-6, R6)</td>
</tr>
<tr>
<td>CS 495</td>
<td>Capstone I</td>
<td>A seminar in which the student starts the capstone project and the capstone portfolio. <strong>Prerequisites &amp; Notes</strong> Seventy earned credit hours. <strong>Credits</strong> (2)</td>
</tr>
<tr>
<td>CS 496</td>
<td>Capstone II</td>
<td>A seminar in which the student completes the capstone project and the capstone portfolio. <strong>Prerequisites &amp; Notes</strong> PREQ 495. <strong>Credits</strong> (2)</td>
</tr>
<tr>
<td>CSD 270</td>
<td>Introduction to Communication Disorders</td>
<td>Overview of speech-language-hearing disorders in children and adults. <strong>Credits</strong> (3)</td>
</tr>
<tr>
<td>CSD 272</td>
<td>Fundamentals of Speech and Language Analysis</td>
<td>Studies in the structural foundations of language and exploration of analytic tools for studying language and language disorders. <strong>Prerequisites &amp; Notes</strong> PREQ CSD 270. <strong>Credits</strong> (3)</td>
</tr>
<tr>
<td>CSD 301</td>
<td>Speech and Language Development</td>
<td>Speech and language development in normal children, survey of procedures and tools used to study language development and acquisition. <strong>Prerequisites &amp; Notes</strong> PREQ CSD 270 or equivalent. <strong>Credits</strong> (3)</td>
</tr>
<tr>
<td>CSD 302</td>
<td>Communication Development and Disorders</td>
<td></td>
</tr>
</tbody>
</table>
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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 372 or equivalent Credits (3)

**CSD 451 - Sign Language I**  
Beginning sign language skills, receptive and expressive, cultural issues Credits (3)

**CSD 452 - Sign Language II**  
Advanced sign language skills, receptive and expressive, cultural issues Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 301, 370, 372 and 380, or permission of instructor Credits (3)

**CSD 494 - Topics in Communication Disorders**  
Topics in Communication Disorders Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

**Dance**

**DA 253 - Social/Ballroom Dance**  
Basic steps involved in popular social and ballroom dances 3 Studio Credits (1)

**DA 255 - Tap**  
Beginning tap rhythms with emphasis on vocabulary and execution 3 Studio, PREQ 258 Prerequisites & Notes PREQ 258 or permission of instructor Credits (1, R3)

**DA 257 - Dance Performance**  
Student involvement in a departmentally sponsored production S/U grading 3 Studio, PREQ Permission of instructor Credits (1, R3)

**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 (1)

**DA 261 - Ballet I**  
Intermediate ballet technique 4 Studio, PREQ DA 258 or permission of instructor Prerequisites & Notes PREQ 258 or permission of instructor Credits (2, R4)

**DA 262 - Modern I**  
Intermediate modern dance technique 4 Studio, PREQ DA 258 or permission of instructor Prerequisites & Notes PREQ 258 or permission of instructor Credits (2, R4)

**DA 263 - Musical Theatre Styles**  
Survey of historical trends in American Musical Theater through choreography 3 Lab, PRerequisites & Notes PREQ 258 and (255 or
DA 264 - Jazz
Techniques and style involved in jazz dance 2
Lab PREQ DA 258 or permission of instructor
Prerequisites & Notes PREQ 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, PREQ DA 258 Prerequisites &
Notes PREQ 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,
PREQ DA 301 Prerequisites & Notes PREQ
301 Credits (2)

DA 303 - Ballet II
Intermediate/advanced ballet technique
Progressive and continuous perfecting of more
advanced skills in ballet technique 4 Studio,
PREQ DA 261 Prerequisites & Notes PREQ
DA 261 Credits (2, R4)

DA 304 - Modern II
Intermediate/advanced modern dance technique 4
Studio PREQ DA 262 Prerequisites & Notes
PREQ 262 Credits (2, R4)

DA 305 - Jazz II
Intermediate/advanced jazz technique 4 Studio
PREQ DA 264, or 258, or permission of
instructor Prerequisites & Notes PREQ DA 264,
DA 262 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, PREQ DA 255 or permission
of instructor Prerequisites & Notes PREQ 255
or permission of instructor Credits (1, R2)

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,
PREQ 303, 304, or 305 and 260 Prerequisites &
Notes PREQ 303, 304, or 305 and 260 Credits (2)

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 231 - Circuit Analysis I
Prerequisites & Notes
PREQ 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 & Notes PREQ ECET
231 with a grade of C or better Credits (4)

ECET 290 - Computer Engineering
Fundamentals
An introductory course in the engineering study of
microcomputers Operating systems, bus
architecture, memory structure motherboard chip
sets, and input/output boards will be studied 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 & Notes
PREQ 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 & Notes PREQ 301 or permission
of instructor Credits (3)

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 & Notes PREQ 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 &
Notes Credits (4)

ECET 332 - Microcontrollers
Study of contemporary 8-bit microcontrollers
Microcontroller architecture, programming, and
interfacing 3 Lecture, 2 Lab Prerequisites &
Notes PREQ ECET 331, 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 & Notes
PREQ 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 431 - Microprocessor Interfacing
Study of microprocessor fundamentals including
architecture, instruction sets, and programming
Interfacing 8086 microprocessor based equipment to external hardware 3 Lecture, 2 Lab

Prerequisites & Notes PREQ 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 & Notes PREQ 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. Lecture, 2 Lab
Prerequisites & Notes PREQ ECET 341, MATH 255 with a grade of C or better Credits (3)

ECET 464 - Instrumentation
Data acquisition using virtual instruments. Sensors, transducers, and signal conditioning used in the measurement of physical parameters 3 Lecture, 2 Lab
Prerequisites & Notes PREQ 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 & Notes 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 & Notes PREQ ECET 478 or ET 461 (Either may be taken concurrently) Credits (3)

ECET 493 - Special Topics
Special Topics Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

Economics

ECON 231 - Introductory Microeconomics and Social Issues
Study of economic and social systems, emphasizing choices made by individuals in society such as consumers, producers, employees, voters, policy makers, and students (P1) Credits (3)

ECON 232 - Introductory Macroeconomics and Social Issues
Macroeconomic principles, alternative theories of economic instability, national income, fiscal policy, monetary policy, and international trade (P1) Credits (3)

ECON 300 - Macroeconomics and Business Forecasting
Macroeconomic principles, national income accounting, monetary and fiscal policy, econometric forecasting methods applied to entrepreneurial planning and evaluation of economic and development policy Prerequisites & Notes PREQ 231 and QA 235 COREQ QA 305 Credits (3)

ECON 302 - Intermediate Microeconomics and Applications
The price mechanism and allocation of resources under competition, monopoly, and imperfect competition, applications to decision making
Prerequisites & Notes PREQ 231, QA 235 Credits (3)

ECON 303 - Money, Financial Markets, and Economic Policy
Financial institutions, monetary policy, central banking and nongovernmental organizations, money and capital markets Prerequisites & Notes PREQ ECON 232 or ECON 300 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 & Notes PREQ 232, 302 Credits (3)

ECON 305 - Public Finance
Governmental expenditures, sources of revenue, public credit, principles, and methods of taxation and financial administration, fiscal policy
Prerequisites & Notes PREQ 232, 302 Credits (3)

ECON 307 - Regional Economic Analysis
Regional structure and growth, location theory, interregional income theory, factor mobility, public policy for regional development
Prerequisites & Notes PREQ ECON 231, ECON 232 or ECON 300, QA 235 Credits (3)

ECON 310 - Natural Resource Economics
Economic policy regarding renewable and nonrenewable resources, environmental and energy economics Prerequisites & Notes PREQ ECON 231 or ECON 232 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 & Notes PREQ 232, 302 Credits (3)

ECON 404 - Introductory Mathematical Economics
Functions, graphs, calculus, and systems of equations applied to economic analysis
Prerequisites & Notes PREQ 232, 302 Credits (3)

ECON 406 - International Economic Development
Institutional forces shaping economic development, developed and less developed nations compared, population growth, capital
formation, educational improvement

Prerequisites & Notes PREQ 231, 232 Credits (3)

ECON 420 - Recreation, Sport, and Tourism Economics
Economic models, techniques, and applications related to recreation, sport, and tourism.
Prerequisites & Notes PREQ 232, 302 Credits (3)

ECON 480 - Independent Research
Independent Research Prerequisites & Notes PREQ Permission of department head Credits (3)

ECON 483 - Internship in Business Economics
Work experience in business economics S/U grading Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 Prerequisites & Notes PREQ Admission to the North Carolina Teaching Fellows program. 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 & Notes PREQ Admission to the North Carolina Teaching Fellows program and to the professional education sequence Credits (1, R3)

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 & Notes PREQ Permission of department head Credits (3)

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 & Notes PREQ Admission to the Professional Education Sequence EDCI 201 and PSY 323 COREQ SPED 339 and ELMG 484 Credits (1)

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 & Notes PREQ Admission to Teacher Ed Program in Elementary Education COREQ This course must be taken concurrently with EDEL 390 or EDEL 484 Credits (3)

Elementary Education

EDEL 130 - Introduction to Teaching
Teaching as a profession, the role and function of the teacher in the school and community

310
Recommended for any student considering teaching as a career Credits (3)
EDEL 311 - Kindergarten and Primary Curriculum
Methods, materials, and curriculum for children from kindergarten through grade 2. A field experience component is required in this course. Prerequisites & Notes: PREQ Admission to the professional education sequence Credits (3)

EDEL 312 - Elementary School/Methods and Curriculum
Methods, materials, and curriculum for children in grades 3 through 6. Prerequisites & Notes: 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 & Notes: PREQ MATH 231 and admission to the professional education sequence Credits (3)

EDEL 418 - Mathematics Methods Grades K-3
The development of mathematical concepts, programs, methods, and materials for grades K-3. Prerequisites & Notes: PREQ EDCI 231 with a grade of C or better. PREQ or COREQ: MATH 230 or MATH 231 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 and development of various optimal 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 LabCredits (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. Prerequisites & Notes: COREQ EDEL 418, 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. Prerequisites & Notes: COREQ 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. Prerequisites & Notes: COREQ 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. Prerequisites & Notes: COREQ BK 483 Credits (1, R4)

Elementary and Middle Grades Education
EDEL 323 - Seminar for Responsive Instruction
The planning and implementation of developmentally and pedagogically appropriate assessments for elementary and middle grades learning environments. Prerequisites & Notes: EDCI 201. Admission to the Professional Education Sequence. Credits (1)

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 & Notes: EDCI 201. Admission to the professional education sequence. COREQ: ELMG 484 or 390 Credits (3)

EDEL 416 - Science Methods for Grade K-6
Teaching methods and curricular development in science, grades K-6, with emphasis on fostering written and digital communication. Prerequisites & Notes: EDCI 201. Admission to the professional education sequence. Credits (3)

EDEL 417 - Social Studies Methods for Grades K-6
Methods, materials, and strategies for teaching social studies in grades K-6. Prerequisites & Notes: EDCI 201. Admission to the professional education sequence. Credits (3)

EDEL 419 - Mathematics Methods Grades 3-6
The development of mathematical concepts, programs, methods, and materials for grades 3-6. Prerequisites & Notes: EDCI 201. Admission to the professional education sequence (EDEL 418 is a prerequisite for elementary education majors). Credits (3)

EDEL 466 - Digital Literacy Methods for Grades K-9
The study and use of the forms of digital literacy in school and professional settings, emphasis on instructional applications, issues, and trends. Prerequisites & Notes: COREQ Elementary majors must take this course concurrently with EDEL 390 or ELMG 484 Credits (3)

ELMG 201 - Seminar for Teacher Leadership (1)
The purpose of this course is to encourage preservice teachers to explore issues in becoming teachers and reflect on themselves as leaders.
Prerequisites & Notes

COREQ EDCI 201
Credits (1)

ELMG 480 - Independent Study in Elementary/Middle Grades Education
Independent Study in Elementary/Middle Grades Education
Prerequisites & Notes
Admission to professional education sequence
Credits (1-3, R6)

ELMG 484 - Supervised Internship I
A part-time internship under university supervision with seminar
Prerequisites & Notes
415, 466, EDRD 474 Field experience with seminar
Credits (3)

ELMG 485 - Supervised Internship II
A full-time internship under university supervision
Prerequisites & Notes
484 COREQ 495 Full time field experience
Credits (9)

ELMG 493 - Topics in Elementary/Middle Grades Education
Topics in Elementary/Middle Grades Education
Prerequisites & Notes
Admission to professional education sequence
Credits (1-3, R6)

ELMG 495 - Seminar for Student Teachers
Theory related to practice during student teaching
Prerequisites & Notes
COREQ 485 Credits (3)

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 & Notes
EDM 250 or permission of instructor
Credits (3)

EDM 324 - Emergency Planning
Introduction to the multiple facets of emergency planning
Prerequisites & Notes
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 & Notes
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 & Notes
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 & Notes
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 & Notes
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 & Notes
EDM 250 or permission of instructor
Credits (3)

EDM 448 - Emergency Exercise Design and Evaluation
Design, development and assessment of simulated exercises to evaluate and improve emergency readiness and response capabilities
Prerequisites & Notes
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 & Notes
EDM 250 or permission of instructor
Credits (3)

EDM 460 - Case Studies in Emergency and Disaster Management
In-depth examination of specific public crises and disasters
Prerequisites & Notes
EDM 250 or permission of instructor
Credits (3)

EDM 480 - Independent Study in Emergency and Disaster Management
Supervised application of academic study in a practical public safety and/or security management setting
Prerequisites & Notes
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 & Notes
EDM 250 or permission of instructor
Credits (1-3, R12)

Middle Grades Education

EDMG 410 - The Middle School Child and Curriculum
Programs, methods, and materials for students in the middle grades
Credits (3)
EDMG 411 - Differentiated Instruction in Middle Grades Education
Exploration of diversity with respect to ways of learning and developing strategies for differentiating instruction in grades 6-9
Prerequisites & Notes PREQ Admission to professional education sequence Credits (3)

EDMG 415 - Language Arts Methods Grades 6-9
Teaching methods, materials, and curriculum development in language arts, grades 6-9, with emphasis on fostering written and digital communication
Prerequisites & Notes 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 & Notes 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 & Notes PREQ Admission to the 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 & Notes 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 & Notes PREQ EDMG 410 and EDMG 411 Admission to the professional education sequence 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
Prerequisites & Notes PREQ Admission to the professional education sequence Credits (3)

ELMG 390 - Practicum I
Supervised observation and participation in a public school classroom. 6 hours per week
Prerequisites & Notes PREQ Admission to professional education sequence and permission of instructor Must submit application to the Office of Field Experience Credits (3)

Education and Psychology
EDPY 493 - Topics in Education and Psychology

Reading
EDRD 150 - College Reading and Vocabulary
Extending skills for college and recreational reading emphasis on vocabulary and comprehension
Prerequisites & Notes PREQ EDCI 201 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 & Notes PREQ EDCI 201 Credits (3)

EDRD 323 - Reading and Communication Skills in Content Areas
Methods for teaching reading and other communication skills in content areas
Prerequisites & Notes PREQ Admission to the professional education sequence Credits (2)

EDRD 334 - Foundations of Reading/Language Development & Instruction
Research, theory and instructional practices for teaching reading in grades K-2, emergent reading, language development, phonemic awareness and phonics, balanced literacy, and early literacy assessments
Prerequisites & Notes PREQ EDCI 201 with C or better Credits (3)

EDRD 389 - Cooperative Education in Reading
See Cooperative Education Program. Credits (1 or 3, R15)

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 & Notes 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 & Notes 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
Prerequisites & Notes PREQ 334 or 443 and admission to the professional education sequence in your program Credits (3)
EDSE 322 - Principles and Methods of Teaching
Methods, strategies, materials, and techniques of clinical and classroom teaching Prerequisites & Notes PREQ Admission to the Teacher Education Program. Credits (2)

EDSE 484 - Supervised Internship I
A part-time internship in K-12 schools Student internship program for secondary and special subject area majors Prerequisites & Notes PREQ Requires admission to the Teacher Education Program Credits (1-3)

EDSE 485 - Internship II
A full-time internship Prerequisites & Notes 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 & Notes PREQ Admission to the Teacher Education Program. Credits (3, R6)

EDSE 490 - Supervised Student Teaching
A full-time teaching experience Prerequisites & Notes 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 & Notes PREQ Admission to the Teacher Education Program. COREQ 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491 Credits (3)

EE 200 - Computer Utilization in C++
An introduction to the use of computers and computing methods to solve engineering problems Structure and object oriented programming design using C++ Credits (3)

EE 201 - Network Theory I
Direct current circuit analysis, Ohm's law, Kirchhoff's laws, nodal and mesh analysis, Thevenn's theorem, source transformation, maximum power transfer, R-L, R-C and RLC transient circuit analysis Credits (3)

EE 202 - Network Theory II
Alternating current circuit analysis, phasors, Kirchhoff's laws, single-phase and 3-phase circuits, resonant circuits, filter networks, Laplace transforms, Fourier series, Fourier transforms and Fourier analysis techniques Prerequisites & Notes PREQ 201 Credits (3)

EE 211 - Logic and Networks Laboratory
Network measurements and applications, experimental logic design, introduction to laboratory equipment and techniques Prerequisites & Notes COREQ 201 and 221 or permission of program director Credits (1)

EE 212 - Instrumentation and Networks Laboratory
Network measurements and applications, experimental logic design introduction to laboratory equipment and techniques Prerequisites & Notes PREQ 201 or permission of program director 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 & Notes COREQ 201 or permission of program director 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 & Notes PREQ 201, 211, 221, COREQ 202, 212 Credits (2)

EE 311 - Systems and Electronics Laboratory
Systems and signals measurements and applications, electronics circuits Prerequisites & Notes PREQ 202, 212 COREQ 351, 331 or permission of program director Credits (1)

EE 312 - Electromagnetic and Electronic Devices Laboratory
Measurements and applications of electromagnetic and solid state devices Prerequisites & Notes PREQ 311 COREQ 332 or permission of program director 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, Magnetostatics, vector potentials, Lorentz force, Faraday's law Prerequisites & Notes PREQ 202 Credits (3)

EE 322 - Electromagnetic Devices
Operation and basic design features of electromechanical energy converters, Transformers and electrical machines. Generation of induced voltages, Electromechanical torque development, Speed control. Circuit models, machine performance Prerequisites & Notes PREQ 321 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
EE 332 - Electronics
Low and high-frequency analysis of transistor amplifiers. Biasing of Integrated Circuits. Multistage and feedback amplifier design. Stability and oscillation. Operational amplifier design and applications. Prerequisites & Notes PREQ 201. 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 & Notes PREQ 202, 212, 222. COREQ 311, 331. Credits (2)

EE 342 - Solid State Electronic Devices
Theory and applications of semiconductor devices, Diode characteristics and applications. Transistor fundamentals. DC biasing and stabilization. Small-signal analysis. Field-effect transistors. Operational amplifier fundamentals. Prerequisites & Notes PREQ 331, PHYS 310. Credits (3)

EE 351 - Systems Analysis I
Complex variables, continuous time systems, LTI systems. Fourier transforms, Laplace transforms, representation of systems using differential equations. Prerequisites & Notes PREQ 201. 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. Prerequisites & Notes PREQ 211, 212, 311, 312, 331, 351, 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 & Notes PREQ 401. Credits (2)

EE 411 - Analog and Digital Communication
Analysis and transmission of signals including analog communication (amplitude and frequency modulation), digital communications (Pulse code modulation, data transmission, phase-shift keying, frequency-shift keying). Prerequisites & Notes PREQ 351. 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 & Notes PREQ. Senior standing in EE. Credits (2)

EE 424 - Digital Signal Processing
Sampling and signal recovery in linear systems, analysis of sampled systems, discrete and fast Fourier transforms, z-transform, discrete convolution, design of digital FIR and HR filters. Prerequisites & Notes 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. Prerequisites & Notes PREQ 322 and PHYS 322, with a C or better. 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 & Notes PREQ 425, with a ‘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 & Notes PREQ 425 and PHYS 322, with a C or better. 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 310 - Wilderness Medicine I
Advanced life support for wilderness medicine. Prerequisites & Notes PREQ 210. Credits (3)

EMC 340 - Introduction to Clinical Medicine
The role and responsibilities of the paramedic, basic medical terminology, patient assessment, including history taking and physical examination techniques. Prerequisites & Notes PREQ. EMC major or permission of program director. COREQ 340 Lab (Lab is required). Credits (3)

EMC 350 - Cardiology
Pathophysiology, assessment, and treatment of cardiac emergencies. 2 Lecture, 1 Lab. Prerequisites & Notes PREQ 340, 351, or permission of instructor. Credits (2)

EMC 351 - Basic ECG Interpretation
ECG interpretation in the monitoring leads

Prerequisites & Notes PREQ EMC major or permission of instructor COREQ EMC 351-30
Basic ECG Interpretation Lab Credits (1)

EMC 350 - Acute Fluid and Respiratory Disorders
Pathophysiology, assessment, and treatment of respiratory emergencies, fluid and electrolyte imbalance, manifestations and principles of treatment of shock 2 Lecture Prerequisites & Notes PREQ 340, HSCC 370 COREQ 361 Credits (2)

EMC 361 - Advanced Emergency Medical Techniques
Traditional techniques of intravascular and respiratory therapy, introduction to new techniques 3 Lab Prerequisites & Notes PREQ 340 and HSCC 370 or permission of program director Credits (3)

EMC 360 - Acute Fluid and Respiratory Disorders
Pathophysiology, assessment, and treatment of respiratory emergencies, fluid and electrolyte imbalance, manifestations and principles of treatment of shock 2 Lecture Prerequisites & Notes PREQ 340, HSCC 370 COREQ 361 Credits (2)

EMC 370 - Medical Emergencies
Assessment and advanced life-support for nontraumatic medical emergencies Prerequisites & Notes PREQ 340 and HSCC 370 or permission of program director Credits (3)

EMC 381 - Clinical Practicum I
Development of basic life support skills Prerequisites & Notes PREQ NC EMT and junior level EMC major or permission of program director Credits (1)

EMC 382 - Clinical Practicum II
Development of clinical competency in patient assessment skills Prerequisites & Notes PREQ 340, 381, or permission of program director 4 Lab Credits (1)

EMC 389 - Cooperative Education in EMC
See Cooperative Education Program. Credits (1 or 3, R12)

EMC 410 - Trauma Management
Assessment and management of traumatic emergencies, including patient access, stabilization, and transport radio communications and use of ALS protocols Prerequisites & Notes PREQ EMC major or permission of program director COREQ 410 Lab (Lab is required) Credits (2)

EMC 420 - Maternal and Child Emergency Care
Obstetrical, gynecological, and pediatric emergencies 2 Lecture, 1 Lab Prerequisites & Notes PREQ 340 and HSCC 370 or permission of program director Credits (3)

EMC 430 - Special Needs Patients
Assessment and emergency care of the elderly and handicapped Prerequisites & Notes PREQ 360 or permission of program director Credits (1)

EMC 440 - Wilderness Medicine II
Trauma care and preventive medicine in the wilderness environment Prerequisites & Notes PREQ 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 Credits (3)

EMC 450 - Wilderness Medicine III
Advanced wilderness survival skills with special emphasis on medical event planning for outdoor pursuits Prerequisites & Notes COREQ 486 Credits (3)

EMC 451 - Advanced ECG Interpretation
Advanced electrocardiography including 12-lead ECG interpretation Prerequisites & Notes PREQ 350, 351 Credits (1)

EMC 452 - Advanced Cardiac Life Support
The American Heart Association course leading to certification in advanced cardiac life support 2 Lab Prerequisites & Notes PREQ EMC majors only Credits (1)

EMC 456 - Emergency Medical Care Simulation Laboratory
Application of Emergency Assessment and medical management skills using a patient simulator 2-6 Lab Credits (1-3)

EMC 461 - Independent Study in Emergency Medical Care
Independent Study in Emergency Medical Care Prerequisites & Notes PREQ Permission of instructor Credits (2)

EMC 483 - Clinical Practicum III
Experience to develop clinical competency in advanced life support assessment and skills 12 Lab hours Prerequisites & Notes PREQ 350, 360, 370 Credits (1-4)

EMC 484 - Clinical Practicum IV
Advanced clinical rotations in a hospital setting 8 Lab Prerequisites & Notes PREQ 420, 483 Credits (2)

EMC 485 - MICU Practicum
Supervised field experience on mobile intensive care units 9 Lab Prerequisites & Notes PREQ 410, 420, 483 Credits (1-3)

EMC 486 - Wilderness Medicine Clinical Practicum
Clinical experience with skills utilized in back country! medicine, rescue techniques, land navigation, and evacuation Prerequisites & Notes COREQ 450 Credits (3)

EMC 487 - Advanced MICU Practicum
Supervised field experience on mobile intensive care units to review, update, and maintain skills 8 Field Prerequisites & Notes PREQ 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 5 weeks, full time Prerequisites & Notes PREQ EMC major and permission of program director Credits (2, R4)
EMC 493 - Topics in Emergency Medical Care
Topics in Emergency Medical Care Credits (1-3, R6)

EMC 496 - Senior Seminar in Emergency Medical Care
Overview of current EMS practice Examination of issues related to professionalism and scope of practice 
2 Seminar Prerequisites & Notes 
PREQ Senior EMC major Credits (1)

English

ENGL 101 - Composition I
First year composition Approaches composition as a process and product Emphasis on writing as a tool for reading, thinking, and communicating (C1) Note ENGL 101 and ENGL 102 must be taken and passed in sequence Credits (3)

ENGL 102 - Composition II
Second year composition Builds on rhetorical activities developed in ENGL 101, with more demanding emphasis on research methods and projects Prerequisites & Notes Note ENGL 101 (C1) Credits (3)

ENGL 131 - Academic English for Non-native Speakers (3)
Helps students develop strategies in reading, writing, speaking, and listening in academic English settings Limited to non-native speakers at an intermediate level or above Credits (3)

ENGL 132 - American English for Non-Native Speakers II
A specialized writing and mechanic skills class providing further preparation for composition courses Exceptional performance and satisfaction of other criteria may result in waiver of 101 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 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 of Place
Liberal studies of literature of place, focusing on one general locations—such as Appalachia, South, West—or pairing of related places, such as urban-suburban (P4) Credits (3)

ENGL 207 - Popular Literature and Culture
Examines various popular literary genres, including gothic, popular romances, mysteries, westerns, science-fiction and fantasy, children’s literature, film, television, and the Internet (P4) Credits (3)

ENGL 209 - Past Times Literature and History
Focuses upon the relationship between literature of the past and historical events, historical documents, and the events and texts of our time (P4) Credits (3)

ENGL 210 - Contemporary African American Literature
This course explores the rich tradition of African American literature from World War II to the present Credits (3)

ENGL 220 - Introduction to Writing Fellows
Practical and effective strategies for helping student writers revise their work, focus on the writing process (including one’s own process), and examine writing conventions across disciplines Prerequisites & Notes PREQ Obtain permission from Associate Director of University Writing Center COREQ Twenty-five (25) hours of actual tutoring time Credits (1)

ENGL 221 - Advanced Leadership and Development for Writing Fellows (1)
Develop rhetorical skills and tutorial practice, research writing center and composition theory, reflect on own tutoring practice For experienced tutors Prerequisites & Notes PREQ ENGL 220 or equivalent tutoring experience Obtain permission from Associate Director of University Writing Center COREQ Twenty-five (25) hours of actual tutoring time Credits (1)

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 & Notes 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 & Notes 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 & Notes 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 300 - Foundation Composition**
Intensive practice of composition in all its aspects from invention to final polish. Required of undergraduates who receive two Composition Condition marks. 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 & Notes PREQ ENGL 303 Credits (3)

**ENGL 305 - 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 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 & Notes 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 & Notes PREQ ENGL 101 and 102, 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 & Notes 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 & Notes PREQ ENGL 302 Credits (3, R6)

**ENGL 310 - 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 312 - 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 & Notes PREQ ENGL 303 Credits (3, R6)

**ENGL 319 - The Teaching of Grammar**
Strategies for and application of the concepts of grammar and language in the teaching of English. (Closed to freshmen 0-24 hours) Prerequisites & Notes PREQ ENGL 312 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 & Notes PREQ ENGL 101 and 102 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 & Notes PREQ 101 and 102  
Credits (3)

**ENGL 352 - The Journey in Literature**  
Examines literature with the journey as its focal point, both in short pieces like poems and short stories as well as in longer, epic works (Closed to freshmen 0-24 hours) (P4)  
Prerequisites & Notes PREQ 101 and 102  
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 356 - Literature of American Immigration**  
Examines the literature by and about US immigrants or their descendents (Closed to freshmen 0-24 hours) (P6)  
Credits (3)

**ENGL 367 - Appalachian Literature**  
A survey of the poetry, fiction, and nonfiction works from the Southern Appalachian region with particular emphasis on cultural and historical themes of the region (Closed to freshmen 0-24 hours) (P4)  
Prerequisites & Notes PREQ 101 and 102  
Credits (3)

**ENGL 366 - 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 & Notes PREQ 278  
Credits (3)

**ENGL 389 - Cooperative Education Professional Writing**  
See Cooperative Education Program. Closed to freshmen 0-24 hours  
Prerequisites & Notes PREQ 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 & Notes PREQ 101 and 102  
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 405 - Advanced Creative Writing**  
Intensive study and practice of creative writing, emphasis on required individual projects. Closed to freshmen 0-24 hours  
Prerequisites & Notes 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 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 - Linguistics**  
Linguistics  
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 & Notes PREQ EDSE 322, 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 & Notes PREQ ENGL 417, admission to the teacher education program  
Credits (3)

**ENGL 419 - Medieval Literature**  
Medieval British Literature (600-1500) in its European context. Content may include Arthuriana, Beowulf, Gower, Kempe, Dante, Gawain Poet, and Boccaccio. Closed to Freshman 0-24 hours  
Credits (3)

**ENGL 420 - Chaucer and His Age**
Chaucer's major poetry, emphasis on Troilus and Criseyde and The Canterbury Tales, selected readings from the works of contemporaries (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 421 - Fairy Tale Literature**
The genre of the fairy tale, its structure and theme, its influence on children's literature as well as mainstream literature (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 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 (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 463 - Contemporary Literature**
Study of literature written from World War II to the present with an emphasis on intertextuality and influence (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 464 - Native American Literature**
Ancient oral tradition and contemporary works Perceptions of culture, environment, and time observed in "old ways stories, how influences emerge in "new way" poetry and fiction (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 465 - Topics in African American Literature**
Selected topics, authors or periods of significant importance in African American literature (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 469 - Directors/Screenwriters/Stars**
Focus on specific director, screenwriter, or celebrity important to the development of film and television as artistic and cultural phenomena in the twentieth century Prerequisites & Notes: Preq 278 Credits (3, R6)

**ENGL 470 - Twentieth-Century and Contemporary Postcolonial Literature**
Literature and film by authors from formerly colonized areas such as Africa, India, Australia, New Zealand, and the Caribbean that share English as literary language (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 471 - Studies in Poetry**
A study of the genre of poetry A consideration of developments in poetry, form and audience organized by literary period or theme (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 472 - Studies in Fiction**
A study of the genre A consideration of development in narrative, form and audience organized by literary period or theme (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 473 - Studies in Drama**
A study of the genre A consideration of developments in drama, form, performance and audience organized by literary period or theme (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 474 - Literary Theory**
Study of literary theory's most compelling issues and current schools of thought: Deconstruction, Feminism, Psychoanalysis, New Historicism, Marxism, Race and Ethnicity, Post-colonial, Ecocriticism. (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 475 - Modernism**
Study of literature written from 1900 to World War II Literature will include multiple genres and national origins (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 476 - The Short Story**
History and development of the short story in Western literature (Closed to freshmen 0-24 hours) Credits (3)

**ENGL 477 - Literature and Gender**
Study of literature by or about women, the relationship of men and women in literature, feminist issues from a literary perspective (Closed to freshmen 0-24 hours) Credits (3)
ENGL 478 - Film Theory
A focused study of classical and contemporary film theory and debates, such as montage, apparatus theory, historiography, realism, and the gaze (Closed to freshmen 0-24 hours) Credits (3)

ENGL 479 - Studies in Literature
Topics vary (Closed to freshmen 0-24 hours) Credits (3, R6)

ENGL 480 - Studies in English
Independent study/directed research in English (Closed to freshmen 0-24 hours) Prerequisites & Notes 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes COREQ EDSE 490, 495 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 & Notes 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 497 - Senior Seminar in Writing
Capstone course for journalism concentration Majors in Professional Writing and Minors in creative writing, journalism, and professional writing may be admitted with instructor's permission (Closed to freshmen 0-24 hours) Prerequisites & Notes PREQ Senior standing 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 & Notes PREQ Senior standing Credits (3)

Engineering

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 electrical engineering discipline, curriculum, personal and professional development, teamwork, project planning, communication skills, and conceptual design engineering. Freshman Engineering majors only 2 Lecture, 2 Lab Credits (3)

ENGR 200 - Introduction to Engineering Practices and Principles II
Application utilizing the tools and techniques in the electrical engineering discipline. Emphasis on analysis skills, mathematical skills, understanding of the profession/curriculum, and problem solving skills 1 Lecture, 2 Lab Prerequisites & Notes PREQ 199 Credits (2)

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 & Notes PREQ Junior standing in EE Credits (1)

ENGR 389 - Cooperative Education
See Cooperative Education program Credits (3, R9)

Entrepreneurship

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 - New Venture 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 350 - New Venture Growth
Instituting and expanding a successful entrepreneurial venture Credits (3)

ENT 389 - Cooperative Education
Cooperative Education Prerequisites & Notes
PREQ 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 Credits (3)

ENT 450 - New Venture Strategy
Operating and developing a successful entrepreneurial venture in a competitive environment Prerequisites & Notes PREQ ENT 301 and ENT 325 Credits (3)

ENT 475 - Entrepreneurial Consulting
The study of entrepreneurship as a driver of economic activity Prerequisites & Notes PREQ ENT 301 and ENT 325 Credits (3)

ENT 482 - Independent Study
Independent Study Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

ENT 483 - Internship
Internship Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

ENT 493 - Topics in Entrepreneurship
Topics in Entrepreneurship Prerequisites & Notes PREQ Permission of instructor Credits (1-6, R9)

Environmental Health

ENVH 130 - Environmental Health Science Systems and Solutions
A comprehensive overview of environmental health science connecting the natural environment to human society Exploration of environmental issues and sustainability (C5) Credits (3)

ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution
Public Health solutions applied to past and future world health concerns such as emergent diseases and international threats such as bioterrorism Credits (3)

ENVH 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 261 - Etiology of Infectious Diseases Laboratory
Laboratory to accompany ENVH 260 Etiology of Infectious Diseases Prerequisites & Notes COREQ ENVH 260 Credits (1-2)

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 & Notes COREQ ENVH 310 PREREQ Junior Standing 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 & Notes 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 & Notes COREQ ENVH 330 PREREQ Junior Standing Credits (1)

ENVH 340 - Environmental Health Practices
Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice Credits (3)

ENVH 375 - Environmental Toxicology
The monitoring, effects, and control of toxic materials in the environment. Mechanisms of action of toxic chemicals in humans and other organisms. 

**ENVH 380 - Biosafety and Bioterrorism**
Biosafety and Bioterrorism Credits (3)

**ENVH 410 - Radiation Safety**
A study of the recognition, evaluation and control of ionizing and non-ionizing radiation sources found in the occupational environment. Credits (2)

**ENVH 430 - Arthropod Vectors and Public Health Pests**
Vectors responsible for arthropod-borne diseases of medical and veterinary importance. 3 Lecture Credits (3)

**ENVH 431 - Arthropod Vectors and Public Health Pests Laboratory**
Laboratory to accompany ENVH 430 Arthropod Vectors and Public Health Pests Laboratory. Prerequisites & Notes: COREQ ENVH 430. PREQ Junior Standing. Credits (1)

**ENVH 440 - Air Quality Control**
Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation. 3 Lecture Prerequisites & Notes: PREQ Junior Standing Credits (3)

**ENVH 450 - Quantitative Air Analysis**
Principles, techniques, and methods to quantify chemical substances in the air. 1 lecture, 2 lab. Prerequisites & Notes: PREQ Junior Standing Credits (2)

**ENVH 457 - Industrial Hygiene**
Health aspects of industry relative to the environmental factors of shelter, waste, and air. Prerequisites & Notes: PREQ Environmental health major or permission of instructor. Credits (3)

**ENVH 458 - Environmental Regulation and Law**
Basic concepts of environmental law including the workings of the justice system, the litigation process, witness testimony, and laws. Credits (3)

**ENVH 460 - Senior Seminar in Environmental Health**
Exploration of current issues in environmental health. Prerequisites & Notes: PREQ Senior status. Credits (1)

**ENVH 465 - Wastewater Issues in Environmental Health**
Overview of concepts related to water and wastewater management in the U.S., including residential (on-site), community, and municipal wastewater systems. Prerequisites & Notes: PREQ 310. Credits (3)

**ENVH 470 - Principles of Epidemiology**
Principles and applications to investigation, control, and prevention of disease. Prerequisites & Notes: PREQ MATH 170 and Senior standing, or permission of instructor. Credits (3)

**ENVH 480 - Independent Study in Environmental Health**
Independent study in Environmental Health. Credits (1-3, R4)

**ENVH 483 - Environmental Health Internship**
Supervised experience in an approved clinical or environmental health facility. 9 weeks, full-time. Prerequisites & Notes: PREQ Environmental health major or permission of instructor. Credits (3, R6)

**ENVH 493 - Topics in Environmental Health**
Studies in special areas of interest in environmental health. Prerequisites & Notes: PREQ permission of instructor. Credits (1-3, R9)

**ENVH 499 - Undergraduate Research in Environmental Health**
Mentored undergraduate research in a selected area of environmental health. Credits (2)

**Health Sciences**

**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 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 & Notes: PREQ CHEM 133 or permission of instructor. COREQ ENVH 260. Credits (1-2)

**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 130 - Introduction to Health Professions**
Survey of health specialties, the health sciences, and the preparation, values, and perspectives of health professionals, roles of members of the healthcare team. 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 205 - Women's Health**
Discussion of significant contemporary health issues that impact women around the world and across the lifespan (P6) Credits (3)

HSCC 220 - Medical Terminology
The meaning, construction, and use of terms in the medical and health sciences, standard medical abbreviations 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 & Notes 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 240 - Introduction to Emergency Medical Care
Basic life support, assessment and care of traumatic and medical emergencies patient stabilization, meets state First Responder requirements Credits (3)

HSCC 241 - Basic Emergency Medical Techniques
Patient assessment, CPR, airway management, splinting and bandaging, childbirth, defibrillation, extrication rescue 6 Lab/field Prerequisites & Notes PREQ or COREQ 240 Credits (3)

HSCC 307 - Evaluating Health Claims Fact or Quack
Examination of health information focusing on social norms, cultural influences, and behavioral characteristics used to target consumers of health care, fitness, diet, and nutritional products (P1) Credits (3)

HSCC 311 - Systems and Trends in Health Care Delivery
Overview of theories and principles concerning health, disease, and the delivery system, Examination of emerging trends and issues and their relationship to the delivery system Prerequisites & Notes 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 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 370 - Introduction to Pharmacology
Principles, including the dynamics of drug activity, synthesis, and toxicity in drug therapy Prerequisites & Notes PREQ BIOL 292 or 293 or ATTR 210, and emergency medical care, athletic training, nutrition and dietetics or recreational therapy major Credits (2)

HSCC 371 - Pharmacology Techniques
Techniques of medication calculation and administration 2 Lab Prerequisites & Notes PREQ EMC major or permission of program director COREQ 370 Credits (1)

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 & Notes 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 Methodology and Analysis 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 (2)

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

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Prerequisites & Notes

HSCC 493 - Special Topics
Special Topics Credits (1-3)

Environmental Sciences

ES 101 - Careers and Issues in Environmental Science
Topical issues, career opportunities, and degree options in the environmental sciences at WCU. Students will produce a personal/professional development plan as one of the requirements. Credits (1)

ES 150 - Introduction and Approaches to Environmental Science
An introduction for students majoring in environmental science. An overview of environmental science and current issues and approaches to studying environmental problems. 3 Lecture, 3 Lab Credits (4)

ES 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 Sciences

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 & Notes: 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 132 - Engineering Graphics
Forms of industrial drawing, orthographic and pictorial projections, sketching and basic drawing board procedures. 2 Lecture, 2 Lab Credits (3)

ET 141 - Engineering Materials and Processes
Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes. 2 Lecture, 2 Lab Credits (3)

ET 151 - Computer Graphics for Documentation and Layout
An introduction to reverse engineering as applied to systems, geometric dimensioning and tolerances, codes and symbols, two dimensional projects related to engineered systems. Documentation and layout. 2 Lecture, 2 Lab Credits (3)

ET 231 - 3-D Computer Modeling
Exposure to the broad spectrum of automated graphics and computer-aided design. 2 Lecture, 2 Lab Prerequisites & Notes: PREQ 132 Credits (3)

ET 232 - 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. 2 Lecture, 2 Lab Prerequisites & Notes: MATH 145 or 146, MATH 140, PHYS 130 Credits (3)

ET 331 - Quality Systems
Techniques for monitoring and assuring quality. 2 Lecture, 2 Lab Prerequisites & Notes: PREQ 141 and MATH 170, or permission of instructor 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 & Notes: 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 & Notes: 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 & Notes: 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 & Notes: 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, kaizen events, value added analysis, pull systems and production control. Prerequisites & Notes: 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 &...
Notes 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 & Notes PREQ 132, 141, MATH 140, MATH 170, PHYS 130. Credits (3)

ET 362 - Engineering Logistics
A study of various aspects of logistics and industrial distribution in the engineering domain. Prerequisites & Notes PREQ 132, 141, MATH 170. Credits (3)

ET 389 - Cooperative Education
See Cooperative Education Program. Credits (1-3, R9)

ET 410 - Advanced 3D Computer Modeling and Rapid Prototyping
Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms. 2 Lecture, 2 Lab. Prerequisites & Notes PREQ ET 231. Credits (3)

ET 420 - Polymer Technology
Industrial fabrication techniques, topics in polymer science and mold construction. 2 Lecture, 2 Lab. Prerequisites & Notes PREQ 141 and CHEM 139. Credits (3)

ET 421 - Ergonomics
Theories and applications of ergonomic principles for the workplace. Topics include ergonomic tools, standards, guidelines, training programs, case studies, work-site analysis common occupational injuries. Prerequisites & Notes PREQ Junior standing or permission of instructor. Credits (3)

ET 422 - Advanced Polymer Technology
Theory and application of molding processes, emphasis on thermoplastic and thermoset injection, topics in polymer science and microprocessing. Credits (3)

ET 423 - Fluid Systems
Basic fluid mechanics, hydraulic and pneumatic systems used in industrial manufacturing processes. 2 Lecture, 2 Lab. Prerequisites & Notes 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 & Notes PREQ MATH 144 or 145 or 146, ET 231, 331, 349. Credits (3)

ET 434 - Plant Layout
Problem analyses and design of plant facilities, plant layout, material flow, and handling, physical storage systems. Prerequisites & Notes 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 materials, resources, pollution, population explosion, food supplies. Credits (3)

ET 436 - Engineering Economic Analysis
The study of economics as applied to engineering decision making. Prerequisites & Notes PREQ MATH 145 or 146, 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 & Notes 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 & Notes 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 & Notes 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 & Notes 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 & Notes PREQ ECET 301, MATH 140. 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 & Notes 461 or permission of instructor. Credits (3)

ET 480 - Independent Study
Independent study in industrial, technical, or vocational education. Project required. Prerequisites & Notes PREQ Permission of adviser and instructor. Credits (1-3, R6)

ET 493 - Special Topics
Special Topics. Prerequisites & Notes 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 & Notes PREQ Engineering technology major and senior standing Seminar Credits (3)

Finance

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 & Notes PREQ ACCT 275 Credits (3)

FIN 305 - Financial Management
Financial analysis and planning, time-value of money, risk, leverage, capital acquisition, management and budgeting
Prerequisites & Notes PREQ ACCT 161 or 251 Credits (3)

FIN 310 - Introduction to Financial Planning, Risk Management, and Insurance Planning
Developing, presenting and monitoring client financial plans, types of insurance, risk management
Credits (3)

FIN 335 - Financial Institutions
An introduction to the financial services industry institutions, money, capital, and derivative instruments
Prerequisites & Notes PREQ 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 & Notes PREQ Junior standing Credits (3)

FIN 389 - Cooperative Education in Finance
Cooperative Education in Finance
Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 305 Credits (3)

FIN 409 - Entrepreneurial Finance
Problems in cash management, financing small business, problems associated with new ventures
Prerequisites & Notes PREQ 305, MGT 401 Credits (3)

FIN 410 - Retirement Planning
Retirement planning, goals, strategies, implementation and employee benefits
Prerequisites & Notes PREQ 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
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 & Notes PREQ 305 Credits (3)

FIN 470 - Portfolio Management
A 'hands on' course managing an all-equity portfolio, corporate, industry and market analysis
Prerequisites & Notes PREQ 305 or permission of instructor Credits (3)

FIN 480 - Independent Research
Independent Research
Prerequisites & Notes PREQ Permission of department head Credits (3)

FIN 483 - Internship in Finance
Work experience in finance S/U grading
Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Permission of department head Credits (1-3, R6)

FIN 496 - Seminar in Financial Planning
Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications
Prerequisites & Notes PREQ 305 and 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 & Notes PREQ Pre-forestry major Credits (3)

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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 & Notes
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 110 - Experiencing French and the Francophone World Accelerated
Students learn about the francophone world, acquiring basic linguistic proficiency in French
Three credits only in Liberal Studies 4 lecture, 5 lab (P6) Credits (6)

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 & Notes
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 & Notes
PREQ 102 or equivalent or placement for 231, 231 or equivalent or placement for 232 Credits (3)

FREN 301 - French for Everyday Use
Emphasis on enhancing oral and written communication skills in realistic everyday situations
Prerequisites & Notes
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 & Notes
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 & Notes
PREQ 232 or 240 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 & Notes
PREQ 232 or 240 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 & Notes
PREQ 232 or 240 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 & Notes
PREQ 232 or 240 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 & Notes
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 & Notes
PREQ or COREQ 301 or 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 & Notes
PREQ 232 or 240 or COREQ 301 and 302 or permission of department head Credits (3)

FREN 451 - Advanced French Grammar
Comprehensive study of the more difficult grammatical forms and usages
Prerequisites & Notes
PREQ 232 or 240 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 & Notes
PREQ 232 or 240 or COREQ 301 and 302 or permission of department head Credits (3)

FREN 481 - Independent Studies in French
Independent Studies in French
Prerequisites & Notes
PREQ 232 or 240 or COREQ 301 and 302 or permission of department head Credits (1-3 R6)
Forensic Science

FS 380 - Research in Forensic Science
Forensic science research projects for individual students 9 hour lab Prerequisites & Notes 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 & Notes Sophomore status, 2.0 GPA, permission of instructor 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 & Notes 242, 272, and 370 Credits (4)

FS 495 - Senior Seminar in Forensic Science
Capstone course, presentations by external scientists and by students 2 hours per week Credits (1, R3)

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 300 - Weather and Climate
Meteorology (temperature, humidity, pressure, precipitation, winds, radiation), global heat budget, CO2 cycle, jet stream, air masses, fronts, storms, global distribution of climate 3 Lecture, 2 Lab Credits (4)

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 & Notes 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 GEOG 305 3 Lecture, 2 Lab Prerequisites & Notes PREQ Permission of instructor Credits (4)

GEOG 321 - Geographic Information Systems
Principles and methods of geographic information systems Discussion of spatial data, analysis, and display Use of an operational geographic information system Credits (3)

GEOG 322 - Cartography
Map design and construction, basic projects, data gathering, and display methods 2 Lecture, 6 Lab Prerequisites & Notes 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 & Notes PREQ 150 or permission of instructor, GEOL 150 desirable Credits (4)

GEOG 350 - Economic Geography
Principles governing world distribution and production of economic and natural resources Credits (3)

GEOG 389 - Cooperative Education in Geography
See Cooperative Education Program. Credits (1 or 3, R15)

GEOG 400 - Natural Regions of North America
Regions of the United States and Canada, landforms, geology, climates, soils, vegetation, water, emphasis on features most affecting man Prerequisites & Notes PREQ 150 or GEOL 150 Credits (3)

GEOG 402 - Conservation of Natural Resources
Quantity, quality, and distribution of resources in the United States, dilemma of increasing demand on a dwindling resource base 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 & Notes 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 & Notes 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 & Notes 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 & Notes 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 464 - Industrial Location and Community Development
Measures of manufacturing location theory, decision-making factors in the location of industry, community development planning practices Prerequisites & Notes PREQ 350 or permission of instructor Credits (3)

GEOG 483 - Internship in Geography
Practical application of academic training in an approved agency under faculty super-vision S/U grading 9 hours per week per course Prerequisites & Notes PREQ Junior standing Credits (3)

GEOG 484 - Internship in Geography
Practical application of academic training in an approved agency under faculty super-vision S/U grading 9 hours per week per course Prerequisites & Notes PREQ Junior standing Credits (3)

GEOG 485 - Internship in Geography
Practical application of academic training in an approved agency under faculty super-vision S/U grading 9 hours per week per course Prerequisites & Notes PREQ Junior standing Credits (3)

GEOG 489 - Topics in Geography
Presentation and discussion of subjects of current interest Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

GEOG 493 - Special Problems
Directed individual research on selected topics Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

GEOG 495 - Senior Seminar in Geography
Readings in historical/philosophical foundations and current topics in geography Written and oral presentation of student research 3 Seminar Prerequisites & Notes 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)

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 & Notes 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 & Notes 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 & Notes PREQ 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 & Notes 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 2 Lecture, 2 Lab Prerequisites & Notes PREQ 250 Credits (3)
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 & Notes
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, 2 Lab Prerequisites & Notes
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 vary with credit Prerequisites & Notes
PREQ Permission of instructor Credits (1-4, R6)

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 & Notes
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 & Notes
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 & Notes
PREQ Junior/senior standing or permission 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 & Notes
PREQ 355, 371, or permission of instructor Field trips Credits (3)

GEOL 491 - Topics in Geology
Special course explores a current topic in geology or environmental geology Prerequisites & Notes
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 & Notes
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 & Notes
PREQ Permission of instructor Credits (2-4, R6)

German

GER 101 - Experiencing German and the German-Speaking World I
Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German (P6) Credits (3)

GER 102 - Experiencing German and the German-Speaking World 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 & Notes
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 & Notes
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 & Notes
PREQ or 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 & Notes
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 & Notes
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 & Notes PREQ 301 Credits (3)

GER 310 - Introduction to German Prose
and Poetry
Introduction to German literary texts, reading and
analysis of literary works Prerequisites & Notes
PREQ 232 or 240 Credits (3)

GER 321 - German Civilization
Geographical, political, cultural, and historical
aspects of Germany Prerequisites & Notes
PREQ 232 or 240 Credits (3)

GER 331 - Survey of German Literature
Major literary movements, authors, and works
since the twelfth century Prerequisites & Notes
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 & Notes 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 & Notes 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 & Notes
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 & Notes 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 & Notes
PREQ or 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 & Notes
PREQ or 232 or 240 Credits (1-3, 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 & Notes PREQ
Permission of advisor Credits (1-3, R9)

GERN 493 - Topics
Topics Credits (1-6)

GERN 499 - Special 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 Education

HEAL 111 - Stress Management for Health
and Wellness
This course provides an overview of the
physiology of stress, methods to evaluate stress
levels, and stress management techniques that
improve health and wellness (C4) Credits (3)

HEAL 120 - Personal and Community
Health
Philosophy, knowledge, practices of health coping
with problems of living Credits (2)

HEAL 123 - Health and Wellness
Foundations in health/wellness Provides students
opportunities to improve wellness related skills
and knowledge Includes physical activities that
integrate physical fitness into lifelong wellness
(C4) Credits (3)

HEAL 250 - First Aid and Safety Education
Prevention and care of accidents and injuries,
including American Red Cross training courses
Credits (2)

HPE 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 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 360 - Sexual Health Throughout the Lifespan
(Formerly HEAL 360) Factual information of sexual anatomy and functioning, concepts of sexually transmitted diseases and AIDS, and how decisions, behaviors, and lifestyles may affect our health

Credits (3)

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 & Notes 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

Lecture, 2 Lab

Prerequisites & Notes 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 & Notes 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 & Notes PREQ 310

Credits (3)

HIA 322 - Inpatient Coding
Basic ICD coding for inpatients, NCCI, and coding for prospective payment

Prerequisites & Notes COREQ 326

Credits (3)

HIA 324 - Outpatient Coding
Basic CPT and HCPCS coding for outpatients, coding for prospective payment

Prerequisites & Notes 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 & Notes 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 & Notes 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 & Notes 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 & Notes 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 & Notes 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 & Notes PREQ 418

Credits (3)

HIA 480 - Independent Study in Health Information Administration
Independent Study in Health Information Administration

Prerequisites & Notes 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 & Notes 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 & Notes 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 & Notes PREQ 420, 483

Credits (3)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites &amp; Notes</th>
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<tbody>
<tr>
<td>HIA 487</td>
<td>Professional Practice Experience III</td>
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<tr>
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<td>Mentored experiential, integrative, and reflective activities that apply health information theory and knowledge. Emphasizes demonstrating professional behavior, exploration of HIM roles, introduction to lifelong learning. Prerequisites &amp; Notes: PREQ 388 Credits: 1</td>
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<tr>
<td>HIA 488</td>
<td>Professional Practice Experience IV</td>
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<td>Observation and application of administrative and management skills in the healthcare work environment under the supervision of an experienced HIM professional. Prerequisites &amp; Notes: COREQ 495 Credits: 4</td>
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<tr>
<td>HIA 495</td>
<td>Seminar in Health Information Administration</td>
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<td>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 &amp; Notes: PREQ 487 Credits: 3</td>
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<tr>
<td>HIST 107</td>
<td>World Cultures in Historical Perspective</td>
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<td>Comparison of Western culture and non-Western cultures, historical developments and their impact on the modern world. (P3) Credits: 3</td>
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<td>HIST 141</td>
<td>Turning Points in American History Paths Taken and Rejected</td>
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<td>Exploration of one or several major turning points in American history. (P3) Credits: 3</td>
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<tr>
<td>HIST 142</td>
<td>Lunatics, Dreamers and Ordinary People Biography in American History</td>
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<td>A study of one or several individuals influencing or influenced by American history. (P3) Credits: 3</td>
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<tr>
<td>HIST 151</td>
<td>Turning Points in European History Paths Taken and Rejected</td>
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<td>Exploration of one or several major turning points in the history of Western Civilization. (P3) Credits: 3</td>
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<tr>
<td>HIST 152</td>
<td>Lunatics, Dreamers and Ordinary People Biography in European History</td>
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<td>A study of one or several individuals influencing or influenced by the history of Europe. (P3) Credits: 3</td>
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<td>HIST 171</td>
<td>Religion in America</td>
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<td></td>
<td>An examination of religious texts and history in American culture. (P4) Credits: 3</td>
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<td>HIST 175</td>
<td>Native American Civilizations</td>
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<td>Introduction to Native American history. (P4) Credits: 3</td>
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<td>HIST 181</td>
<td>Religion in Europe</td>
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<td></td>
<td>An examination of religious texts and history in European culture. (P4) Credits: 3</td>
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<td>HIST 182</td>
<td>The Ancient Empires</td>
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<td>An examination of the creation myths and history of the ancient empires of the Old and New Worlds. (P4) Credits: 3</td>
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<tr>
<td>HIST 185</td>
<td>History of Death in Western Civilization</td>
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<td>Tales from the Crypt, a look at the changing perceptions about death. (P4) Credits: 3</td>
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<td>HIST 190</td>
<td>Freshman Seminar</td>
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<td>Exploration of various topics in American, European, and Third World history using the seminar method. Credits: 3</td>
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<td>HIST 191</td>
<td>Freshman Seminar</td>
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<td>Examination of the classic texts produced by a significant historical period, trend, or person(s) using the seminar method. Credits: 3</td>
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<td>HIST 221</td>
<td>European History to 1517</td>
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<td>Social, cultural, economic, and political developments that shaped European civilization from earliest times through the Reformation. (P3) Credits: 3</td>
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<td>HIST 222</td>
<td>European History Since 1517</td>
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<td>Social, cultural, economic, and political developments that shaped European civilization since the Reformation. (P3) Credits: 3</td>
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<td>HIST 231</td>
<td>American History to 1865</td>
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<td>Survey of the American past from its Old and New World origins to the end of the Civil War. (P3) Credits: 3</td>
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<td>HIST 232</td>
<td>American History Since 1865</td>
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<td>Survey of recent American history from the Reconstruction Period to the present. (P3) Credits: 3</td>
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<td>HIST 287</td>
<td>Sophomore Seminar</td>
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<td>Historical methods, historiography, and directed research. Credits: 3</td>
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<td>HIST 308</td>
<td>Explorations in Regional History</td>
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<td>Examinations of select regions and the groups which influenced their historical evolution. Closed to freshmen 0-29 hours. (P3) Credits: 3 R12</td>
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<td>HIST 310</td>
<td>Teaching World History</td>
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<td>Methods, content, and assessment for the North Carolina secondary core requirements in World History. Prerequisites &amp; Notes: PREQ HIST 305, Admission to Teacher Education. COREQ HIST 405 Credits: 1</td>
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<td>HIST 311</td>
<td>Ancient Greece and Rome</td>
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<td>Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity. Closed to freshmen 0-29 hours. (P3) Credits: 3</td>
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<td>HIST 312</td>
<td>The Heroic Age</td>
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<tr>
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<td>Early medieval Europe from 500 to 1000. Closed to freshmen 0-29 hours. (P3) Credits: 3</td>
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</tbody>
</table>
HIST 313 - The High Middle Ages  
The late medieval period from 1000 to 1500  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 322 - British History to 1603  
Ancient and Roman Britain, Anglo Saxon society,  
the Middle Ages, Reformation and Tudor  
government and society, emphasis on England but  
includes Celtic history  Closed to freshmen 0-29  
hours (P3) Credits (3)

HIST 323 - British History Since 1603  
Constitutional struggles of the seventeenth  
century, the age of aristocracy, industrial  
transformation and nineteenth-century growth and  
reform, rise of the welfare state  Closed to  
freshmen 0-29 hours (P3) Credits (3)

HIST 327 - Modern Russia  
The pre revolutionary background and the Soviet  
period  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 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 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 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 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  
& Notes PREQ HIST 297, Admission to Teacher  
Education  COREQ PSC 406 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 & Notes PREQ EDSE 322,  
admission to teacher education, 2.75 GPA in  
major  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 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,  
powar reconstruction and reorganization the  
Cold War  Closed to freshmen 0-29 hours  Credits (3)

HIST 421 - Romans, Christians, Barbarians  
Explores the three most prominent cultures of the  
Mediterranean at the end of the Roman Empire  
Closed to freshmen 0-29 hours  Credits (3)

HIST 425 - Modern European Military  
History
Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues. Closed to freshmen 0-29 hours. 

**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 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**
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, social transition. Closed to freshmen 0-29 hours. Credits (3)

**HIST 444 - Cherokee History**
Pre-contact Cherokee society, acculturation, removal, post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees. Closed to freshmen 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 454 - American Military History**
Military affairs in the United States from the colonial period to the present, emphasis on war as a social institution. Closed to freshmen 0-29 hours. Credits (3)

**HIST 455 - American Religious History**
Role of organized religion upon American history and culture, primarily since 1865. Closed to freshmen 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 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 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 and Genealogy**
Role of the family and community in shaping state, regional, and national developments. Emphasis on research techniques and local resources. Lecture and fieldwork. Closed to freshmen 0-29 hours. Credits (3)

**HIST 473 - Introduction to Museum and Historic Site Interpretation**
Theory and practice of interpreting history to the public in museums and historic sites. Exhibit development, research methods, public programming, and audience evaluation. Lecture
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 483 - 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 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 & Notes: COREQ EDSE 490, 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 & Notes: 297, 32 GPA in History courses, permission of department head.

Credits (3)

Physical Education

HPE 212 - Foundations of Health and Physical Education
The basic physiological, psychological, and sociological principles and historical foundations.

Credits (3)

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 - Exercise Physiology
The study of the acute and chronic effects of exercise on the human body. Prerequisites & Notes: PREQ HPE 223.

Credits (4)

HPE 235 - Motor Behavior
Motor learning, development and control theories and applications.

Credits (3)

HPE 253 - Sport Education
Methods and teaching a Sport Education curricular model for team sports. Prerequisites & Notes: COREQ HPE 256.

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 265 - Physical Education Pedagogy
Foundational pedagogy course designed to develop knowledge of effective instruction in physical education. Prerequisites & Notes: COREQ HPE 353.

Credits (3)

HPE 305 - Adventure-Based Physical Education
Adventure education and wilderness leadership. Use of games, initiative problem-solving activities, trust building activities and challenge or peak experiences in educational settings.

Prerequisites & Notes: PREQ Teacher education majors only or permission of instructor.

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 (2)

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 & Notes: PREQ HPE 256. COREQ HPE 346 or permission of instructor.

Credits (3)

HPE 346 - Educational Dance & Gymnastics
A competency based course of methods and materials in rhythmic dance and gymnastics.

Credits (2)

HPE 354 - Lifetime Sport & Physical Activity I
Methods, materials, and skills used in teaching sports. Badminton, tennis and pickle-ball.

Prerequisites & Notes: PREQ HPE 353.

Credits (3)

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 364 - Lifetime Sport & Physical Activity II**  
Methods, materials and skills used in teaching sports, swimming, disc golf and golf. 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 & Notes: 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 & Notes: 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 & Notes: Must be admitted to the professional education sequence. COREQ HPE 325 Credits (3)

**HPE 489 - Health & Physical Education Internship II K-8**  
A 15-week internship in physical education instruction. Prerequisites & Notes: 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 & Notes: Must be admitted to the professional education sequence. COREQ HPE 489 Subscription to TaskStream is required. Credits (3)

**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 & Notes: HPE 973 Lifeguard certification or permission of instructor. Credits (2)

**PE 107 - Synchronized Swimming**  
Creative patterns and movement with music. 2 meetings Prerequisites & Notes: HPE 103 or equivalent. Credits (1)

**PE 108 - Canoeing**  
One 2-hour meeting. Prerequisites & Notes: HPE 103 or equivalent. Credits (1)

**PE 109 - Karate**  
Students will practice at their own individual level various techniques and forms to further progress their knowledge and skills. 2 meetings per week. Credits (1)

**PE 113 - Hiking**  
Safety and skills for organizing hiking and backpacking trips for small groups. Clothing and equipment, map and compass choosing hiking areas, weekend trips as arranged. 2 meetings Credits (1)

**PE 114 - Jogging**  
Principles and physiological benefits of running and aerobic exercise. 2 meetings Credits (1)

**PE 115 - Weight Training**  
Execution of various lifts, isotonic exercises, related health and safety factors. 2 meetings Credits (1)

**PE 118 - Group Exercise**  
A physical fitness program utilizing simple routines and exercises. 2 meetings Credits (1)

**PE 120 - RAD-Rape Aggression Defense**  
Overview of prevention strategies and self defense techniques in dealing with sexual assault. Credits (1)

**PE 122 - Beginning Tennis**  
This course is designed to provide a beginning player with basic skills and the knowledge of the 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 204 - Snow Sports
Introduction, practice, and successful execution of the skills needed to enjoy alpine skiing or snowboarding. 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 228 - Adapted Physical Education
Remedial and therapeutic activities 2 meetings Prerequisites & Notes 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 240 - Care and Prevention of Athletic Injuries
Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics Credits (3)

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 360 - Skills in Promoting Healthful Living
A competency-based course of methods and materials in health, first aid/safety, and physical education for the elementary school program 2 Lecture, 1 Lab Credits (1)

PE 361 - Physical Education for the Elementary Teacher
A competency-based course of methods and materials in physical education for the elementary school program. 3 per week for 5 weeks Credits (1)

PE 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)

PE 380 - Independent Study
A topic in health, physical education, or recreation agreed upon by student and instructor Prerequisites & Notes PREQ ENGL 102, 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 & Notes 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 & Notes 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 & Notes PREQ Junior-level standing, Credits (3)

PE 423 - Kinesiology
Structure and function of the human muscular system as related to sports and activities

**Prerequisites & Notes**
- PREQ PE 335 or BIOL 291 and 292 Credits (3)

**PE 493 - Special Topics**
Trends and issues in physical education, sport management, and recreation Credits (3, R6)

**Human Resources**

**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 CREW Credits (1)

**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 - Leadership for Fitness Center and Intramurals Staff**
Overview of leadership in relation to fitness and recreation, providing the student opportunity to practice leadership skills and analyze challenges in leading associated activities 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 & Notes**
- 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 (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 & Notes**
  - PREQ All HR 100 level courses or permission of instructor Credits (1)

**LEAD 244 - Sophomore Leadership Institute**
Course design enables practical application of group dynamics utilizing collaboration, common purpose and group identity Controversy with civility will provide the lens for conflict management **Prerequisites & Notes**
- Permission of instructor 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 & Notes**
- 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 & Notes**
- 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 & Notes**
- PREQ 145 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 & Notes: 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 & Notes: 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 & Notes: 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 444 - Senior Leadership Forum
Course enhances the student's relationship and leadership knowledge with the greater world and societies in which they live, lead, and continue their lifelong learning. Prerequisites & Notes: 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 & Notes: PREQ Permission of instructor. Credits (1-3, R6)

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 & Notes: PREQ 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. 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 & Notes: PREQ 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 & Notes: PREQ Senior status 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 & Notes: PREQ Permission of instructor Credits (3)

HT 480 - Independent Study
Independent Study Credits (1-3, R6)

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 & Notes: PREQ Permission of instructor Credits (3)

HT 488 - Study Abroad
Participation in WCU study abroad exchange program. Credits (3-15, R30)

IBUS 301 - International Management
Managerial functions and skills applied to the international business environment. Prerequisites & Notes: PREQ 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 & Notes: PREQ 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 & Notes: PREQ MGT 300 Credits (3)

IBUS 480 - Independent Research
Independent Research. Prerequisites & Notes: 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 & Notes 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 & Notes 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 & Notes PREQ Industrial distribution major and permission of instructor Credits (1-3)

ID 493 - Special Topics
Special Topics Prerequisites & Notes 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
Analysis of manufacturing process, source, specification, and application of interior materials Prerequisites & Notes COREQ 153 or permission of instructor Credits (3)

IDES 254 - Rapid Visualization
Tools, techniques and technology for creative visual design exploration Prerequisites & Notes PREQ 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 & Notes 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 & Notes PREQ 250, 251, and ART 132 Credits (3)

IDES 257 - Architectural Construction Process
Principles of building materials, construction techniques, and building codes Prerequisites & Notes PREQ 251 Credits (3)

IDES 258 - CADD for Interior Design
The advanced application of computer-aided drafting as a design tool for the interior designer 6 Studio Prerequisites & Notes PREQ IDES 251 Credits (3)

IDES 350 - History of Furniture and Design I
Survey of art, architecture, and furniture from ancient time to the nineteenth century Credits (3)

IDES 351 - Lighting Design
Lighting design in residential and commercial spaces and the vital impact it plays on interiors 6 Studio Prerequisites & Notes 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 & Notes PREQ 252, 255, 256, 257 Credits (3)

IDES 353 - Detailing and Design
Casework, furniture, and architectural detailing and design Prerequisites & Notes 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 & Notes 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
IDES 389 - Cooperative Education in Interior Design
See Cooperative Education Program.
Prerequisites & Notes 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. Studio Prerequisites & Notes 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. Studio Prerequisites & Notes PREQ 357, 358 Credits (3)

IDES 452 - Senior Research
Supervised research directed toward a topic selected in consultation with the instructor. Prerequisites & Notes 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. Studio Prerequisites & Notes 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 & Notes 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. Studio Prerequisites & Notes 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 & Notes PREQ Permission of instructor Credits (6)

IDES 480 - Independent Study in Interior Design
Independent Study in Interior Design. Prerequisites & Notes 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 & Notes 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 & Notes 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 & Notes PREQ Permission of program director Credits (3)

IDES 493 - Topics in Interior Design
Examination of current topics and trends in interior design. Prerequisites & Notes PREQ Permission of instructor Credits (3, R9)

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 & Notes 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 & Notes PREQ 102 or equivalent Credits (3)

JPN 232 - Intermediate Japanese II
Continued study of Japanese language and culture, with emphasis on oral development. Prerequisites & Notes PREQ 231 or equivalent Credits (3)

JPN 301 - Third Year Japanese I
Continued study of Japanese language (composition) and culture. Prerequisites & Notes 232 or permission of instructor Credits (3)

JPN 302 - Third Year Japanese II
Continued study of Japanese language and culture. Prerequisites & Notes 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 & Notes Permission of instructor Credits (3, R12)

JPN 451 - Advanced Japanese Grammar
Continued study of Japanese language and culture Prerequisites & Notes 301 or permission of instructor Credits (3)

JPN 452 - Advanced Japanese Conversation
Continued study of Japanese language (conversational) and culture Prerequisites & Notes 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 & Notes 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)

Business Law

LAW 105 - Introduction to Law
Study of the relationship between the individual, law and society, structure of the system for dispute resolution in a legal and social context, role that law plays in a complex society (P1) Credits (3)

LAW 195 - Contemporary Legal Issues
The social change through the legal environment, legal institutions in various cultures, the impact on other social institutions, and the interpretation and analysis of interrelationships Credits (3)

LAW 201 - Individual Rights
Philosophical and historical aspects of individual rights, and interpretation of constitutional provisions as applied by courts in public, private and business situations (P4) Credits (3)

LAW 230 - Legal and Ethical Environment of Business
Social responsibility of business, ethics, legal concepts, and legislation and administrative decisions having an impact on business Credits (3)

LAW 275 - Business Associations
Agency, Unincorporated Business Associations, and Corporations Prerequisites & Notes PREQ or COREQ LAW 105 or LAW 230 Credits (3)

LAW 285 - Mediation
Survey of conflict resolution theory and communication skills Role plays and observation of mediations provide experience 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 - Marketing Law
A study of how law affects marketing activities and current marketing trends 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 transnational business in the global environment by individual and international organizations Prerequisites & Notes PREQ LAW 230 Credits (3)

LAW 331 - Contracts and Sales
Law of contracts, sales, and Uniform Commercial Code Prerequisites & Notes PREQ 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 - Property and Estates
Legal aspects of buying and selling real estate, federal and state taxation, and estate planning and administration 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 - Witnesses and Evidence
Persuasion, evidence, and presumptions, introduction and exclusion of evidence, examination, opinions, and competency of witnesses, testimonial and constitutional privileges, pretrial communications real, scientific, and hearsay evidence 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 & Notes
PREQ 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 Aspects of Business Administration and Professionalism
A capstone course involving a comprehensive study of legal considerations in developing and managing a business
Prerequisites & Notes
PREQ 230, 275, 331, senior standing or permission of department head
Credits (3)

LAW 480 - Independent Research in Business Law
PREQ 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 & Notes
PREQ 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 & Notes
PREQ 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 & Notes
PREQ Junior standing, 2.0 GPA, permission of department head Minimum of 10 hours per week
Credits (3)

Leadership

LEAD 140 - Freshman Leadership Institute
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 & Notes
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 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)

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 & Notes
PREQ MATH 130 or 146 or consent of the director of mathematics placement
Credits (5)

MATH 144 - Applied Trigonometry
Topics including right triangles, trigonometric functions, graphing, basic identities, triangle solutions and complex numbers emphasis on applications
Credit not available for both MATH 144 and MATH 145
Prerequisites & Notes
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 & Notes
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
Credits (4)
annuities, accumulation functions, amortization schedules, present values, future values, and bonds Prerequisites & Notes PREQ 255 Credits (3)

MATH 375 - Statistical Methods II
Analysis of variance, regression, and correlation, analysis of categorical data, distribution free procedures Prerequisites & Notes PREQ 270 Credits (3)

MATH 385 - Practicum
Practical experience under faculty supervision for prospective teachers as teaching aides and as tutors 5 Lab Prerequisites & Notes PREQ 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 & Notes PREQ Permission of department head Credits (1-6, R6)

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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Junior standing or permission of department head Credits (3)

MATH 414 - Introduction to Secondary Mathematics Teaching Methods
An examination of secondary mathematics curriculum and methods, strategies and techniques of using technology to support mathematics teaching and learning Prerequisites & Notes PREQ Admission to Professional Education Sequence AND Junior standing or permission of the instructor Credits (3)

MATH 415 - Methods and Materials for Teaching Mathematics in the Secondary School
A survey of contemporary trends and issues in teaching mathematics at the secondary level Methods, materials, curriculum, and other current practices are included Prerequisites & Notes PREQ Admission to the professional education sequence, MATH 414 Credits (3)

MATH 422 - Real Analysis
Sequences of real numbers, continuous functions, and differentiation Prerequisites & Notes PREQ 250 and 255 Credits (3)

MATH 423 - Advanced Calculus II
Differentiation including L'Hopital's rule and Taylor's theorem, integration theory, other classical topics Prerequisites & Notes PREQ 422 Credits (3)

MATH 424 - Complex Variable Theory
The complex number system, limits, continuity, derivatives, transcendental and multiple valued functions, integration Prerequisites & Notes PREQ 256 Credits (3)

MATH 430 - Mathematical Modeling
Topics including design of models, analysis of stability and sensitivity, optimization, programming, forecasting, differential equation models, diffusion, or wave propagation Prerequisites & Notes MATH 320, MATH 362, CS 340 Credits (3)

MATH 441 - Introduction to Numerical Analysis
Numerical techniques in root finding, interpolation, differentiation and integration, ordinary differential equations, linear systems, and error analysis Prerequisites & Notes PREQ 255, CS 150 or 340 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 & Notes PREQ 362 Credits (3)

MATH 461 - Abstract Algebra
Topics from abstract algebra including quotient groups and rings, rings of polynomials and field extensions, quaternions, homomorphism theorems Prerequisites & Notes PREQ 361 Credits (3)

MATH 462 - Linear Algebra
Topics from linear algebra including algebra of linear transformations, dual space, algebra of polynomials, determinants, eigenvalues, diagonalization and selected applications Prerequisites & Notes 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 & Notes 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 & Notes PREQ 370 Credits (3)

MATH 479 - Capstone Seminar
A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature. Prerequisites & Notes

**MATH 491 - Supervised Student Teaching in Mathematics, 9-12**
A full-time supervised teaching experience in the discipline. Prerequisites & Notes Coreq EDSE 490, 495 Credits (3)

### Management

**MGT 300 - Introduction to Management**
Principles, issues, and practices of managing in modern organizations. Prerequisites & Notes Coreq 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 & Notes Coreq 300 Credits (3)

**MGT 304 - Human Resource Management**
Staffing, training, evaluating, and rewarding employees, developing and implementing effective personnel programs. Prerequisites & Notes Coreq 300 Credits (3)

**MGT 306 - Behavioral Science in Organizations**
Examination of individual and collective human behavior in organizations. Prerequisites & Notes Coreq 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 - Organizational Leadership Theory and Development**
The development of leadership skills through examination of the theory, nature, and impact of leadership in organizations. Prerequisites & Notes Coreq MGT 300 Credits (3)

**MGT 367 - Introduction to Project Management in Practice**
An introduction to project management competencies required by contemporary global organizations. Prerequisites & Notes Coreq MGT 300 Credits (3)

**MGT 389 - Cooperative Education in Management**
See Cooperative Education Program Credits (1 or 3, R15)

**MGT 400 - Organization Theory**
Structure and process at the organizational level, size, complexity, formalization, goals, centralization and decentralization, and environment. Prerequisites & Notes Coreq 306 Credits (3)

**MGT 401 - Small Business Management**
Operations and strategies of small firms, integration of functional areas, economic, social, political, technological, and governmental factors. Prerequisites & Notes Coreq 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 & Notes Coreq 300 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 & Notes Coreq 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 & Notes Coreq 304 Credits (3)

**MGT 407 - Interpersonal Behavior**
Managerial interpersonal relationships, listening behavior, self-awareness. Prerequisites & Notes Coreq 300 Credits (3)

**MGT 480 - Independent Research**
Supervised, student-initiated research project. Prerequisites & Notes Coreq 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 & Notes Coreq Junior standing, 2.0 GPA, written application, permission of department head Credits (3)

**MGT 484 - Internship in Management**
Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. Prerequisites & Notes Coreq Junior standing, 2.0 GPA, written application, permission of department head Credits (3)

**MGT 485 - Internship in Management**
Supervised work or research in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. Prerequisites & Notes Coreq Junior standing, 2.0 GPA, written application, permission of department head Credits (3)

**MGT 493 - Topics in Management**
Topics in Management. Prerequisites & Notes Coreq Permission of department head Credits (1-3, R6)
MGT 495 - Seminar in Management
Integration of management concepts, development of management knowledge and skills, preparation for the professional world of work. Prerequisites & Notes: PREQ or COREQ MGT 400, MGT 402 and MGT 404 Credits (3)

Marketing

MKT 134 - Small Group Communication and Sales Skills
Current behavioral theory and research in the areas of small group communications and selling skills which are essential to managers in organizations. Credits (3)

MKT 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 302 - Integrated Marketing Communications Strategy
An understanding of the communications process. Research methods for audience identification. Gathering, analyzing data to understand customer responses. Prerequisites & Notes: PREQ 301 Credits (3)

MKT 303 - Marketing Research
Role of integrated research in marketing decisions. Emphasis on problem formulation, research design, questionnaire construction, sampling, data collection procedures, and analysis of data. Prerequisites & Notes: PREQ 301, MGT 235 Credits (3)

MKT 304 - Consumer Behavior
Examines psychological and sociological factors that influence consumption and decision making. Studies practical implications of consumer attitudes and behavior. Prerequisites & Notes: PREQ 301 Credits (3)

MKT 310 - Consultative Selling
Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs. Prerequisites & Notes: PREQ 306 or permission of instructor Credits (3)

MKT 389 - Cooperative Education in Marketing
See Cooperative Education Program. Credits (1 or 3, R15)

MKT 403 - Advertising Management
Planning and production of a professional advertising campaign. Prerequisites & Notes: PREQ 301 Credits (3)

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 405 - 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 406 - Channels of Distribution
Theory and concepts in channel management, emphasis on structural, operational, and leadership decisions. Prerequisites & Notes: PREQ 301 Credits (3)

MKT 407 - Global Marketing
The importance of global marketing to the U.S. economy, problems, opportunities and practices of managing multinational activities, characteristics and structure of international markets. Prerequisites & Notes: PREQ 301 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 410 - Sales Management and Negotiation
Managing sales people through applications oriented assignments focusing on territory design, salesperson motivation, and quota attainment. Credits (3)

MKT 411 - Marketing Strategy (for non-marketing majors)
This course provides a survey of key issues in marketing strategy and management. Credit for course not applicable to hours required for graduation for students majoring in marketing. Prerequisites & Notes: PREQ 301 Credits (3)

MKT 475 - Marketing Strategy and Management
A capstone course that integrates the collection of individual marketing concerns into a managerial decision making framework. Prerequisites & Notes: PREQ 301 and six hours of other marketing courses, ECON 231, 232, ACCT 251, 252. Marketing majors only. Credits (3)

MKT 482 - Independent Study
Supervised, student initiated project. Prerequisites & Notes: PREQ 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 & Notes: PREQ Junior standing, 2.0 GPA, written...
Students will learn how to produce a film project from script development, financing and legal issues through production to sales and marketing. Prerequisites & Notes PREQ MPTP 253 or permission of instructor. Credits (3)

MPTP 386 - Production Practicum II
Students will work on independent or departmental projects. 1 Lecture, 2 Lab. Credits (1, R5)

MPTP 406 - Screenwriting II
Outline a complete feature-length screenplay and write the first act of that screenplay. Closed to freshmen 0-24 hours. Prerequisites & Notes PREQ 310. Credits (3)

MPTP 407 - Screenwriting III
Complete and rewrite the screenplay begun in MPTP 406. Closed to freshmen 0-24 hours. Prerequisites & Notes PREQ 406 and permission of instructor. Credits (3, R6)

MPTP 436 - Advanced Cinematography
Advanced techniques of cinematography, production lighting techniques, and use of the High Definition Camcorder and recorder operations in professional high definition formats. Prerequisites & Notes PREQ MPTP 335 plus permission of instructor. Credits (3)

MPTP 457 - Advanced Editing
Advanced techniques of editing and post production explored within context of editing a major project. Prerequisites & Notes PREQ 357 and permission of instructor. Credits (3)

MPTP 460 - 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 & Notes PREQ MPTP 253 or permission of instructor. Credits (3)

MPTP 461 - Advanced Directing
Students will work in teams to write, produce and direct a narrative short building on techniques learned in MPTP 450. 2 Lecture, 2 Lab. Prerequisites & Notes PREQ MPTP 361. Credits (3)

MPTP 483 - Internship in Motion Picture/TV
Work experience in the motion picture/TV industry. 150 hours of work required. Prerequisites & Notes PREQ 60 hours completed and/or permission of program director. Credits (3, R6)

MPTP 488 - Senior Project I
Students will write and prep their senior production. 3 Lab. Credits (2)

MPTP 489 - Senior Project II
Students will shoot and complete their senior production. Prerequisites & Notes 488. Credits (2)

MPTP 493 - Special Topics in Motion Picture Production
Study in special area of interest in motion picture and television production Credits (3, R9)

**Music**

**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 105 - Applied Preparatory**
Applied music study with one hour of private instruction and one hour master class each week Studio Prerequisites & Notes 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 & Notes 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 & Notes PREQ Audition or permission of the department head Credits (2, R6)

**MUS 108 - Aural Skills I Fundamentals of Sight Singing**
Aural analysis and sight singing of intervals, scales, chords, and simple meters using solfege syllables 2 Lab Prerequisites & Notes PREQ Placement exam or permission of the department head Credits (1)

**MUS 118 - Music Theory I Fundamentals**
Fundamentals of music notation keys, modes, scales, trads, seventh chords, 2-part counterpoint, ranges and transpositions of instruments, elementary analysis and composition, basic Finale notation Prerequisites & Notes PREQ Placement exam or permission of the department head Credits (3)

**MUS 148 - Piano Class I**
Basic functional keyboard skills 2 meetings Prerequisites & Notes PREQ Music major or permission of department head Credits (1)

**MUS 149 - Piano Class II**
Basic functional keyboard skills 2 meetings Prerequisites & Notes PREQ 148 Credits (1)

**MUS 158 - Voice Methods Class**
Fundamentals of voice instruction 2 meetings Prerequisites & Notes PREQ Music education majors Credits (1)

**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 & Notes PREQ Music major or permission of instructor Credits (1)

**MUS 182 - Computer Applications in Music**
Use of the computer to prepare parts and scores, and to orchestrate and arrange music 2 Lab Prerequisites & Notes PREQ 208, 218 or permission of the instructor Credits (1)

**MUS 184 - Functional Jazz Keyboard**
Functional keyboard skills in jazz and popular styles 2 meetings Prerequisites & Notes PREQ 208, 218 or permission of the instructor Credits (1, R2)

**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 Credits (3)

**MUS 206 - Applied Minor**
One thirty-minute private lesson per week Studio Prerequisites & Notes 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 & Notes 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 & Notes PREQ 108 and 118, placement exam, or permission of department head Credits (1)

**MUS 218 - Music Theory II Tonal Harmony**
Introduction to tonal functions non harmonic tones, tonalization, modulation, 4-part voice leading, analysis and composition of simple forms, introduction to computer-based music engraving Prerequisites & Notes PREQ 118 and/or placement exam or permission of department head Credits (3)

**MUS 248 - Piano Class III**
Continuation of keyboard skill development 2 meetings Prerequisites & Notes PREQ 149 Credits (1)

MUS 249 - Piano Class IV
Piano proficiency completion 2 meetings Prerequisites & Notes 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 & Notes 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 279 - Wind and Percussion Class I
Instrumental teaching techniques for voice and keyboard music education majors 2 meetings Credits (1)

MUS 281 - Music Sequencing and Audio Editing
Digital audio workstations and their function, including digital audio recording, waveform editing, digital signal processing, virtual instruments and MIDI implementation, and basic mixing techniques Prerequisites & Notes PREQ 181 or permission of instructor Credits (1)

MUS 283 - Music Technology Methods
Topics, equipment, and pedagogy of music technology in music education 2 lab Prerequisites & Notes PREQ 108 and 118 or permission of instructor Credits (1)

MUS 284 - MIDI/Synthesis Masterclass
Group lessons in MIDI/Synthesis including an introduction to performance on selected MIDI controllers 2 Lab Prerequisites & Notes PREQ 181 or permission of instructor (1, R3)

MUS 301 - Basic Skills
Music fundamentals and elementary performance skills 2 Lab Credits (1)

MUS 303 - The World of Music
Musical traditions of various world cultures in their social contexts (P6) Prerequisites & Notes 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 & Notes PREQ Junior-level qualifying examination Credits (1)

MUS 306 - Applied Minor
One thirty-minute private lesson per week Studio Prerequisites & Notes 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 & Notes 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 & Notes 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 & Notes 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 & Notes PREQ Music Education majors or permission of instructor Credits (1)

MUS 317 - Applied MIDI/Synthesis
Applied study of MIDI/Synthesis with one hour of private instruction and one hour of masterclass each week Prerequisites & Notes PREQ 284 and successful junior qualifying examination or audition Credits (2, R6)

MUS 318 - Music Theory III Advanced Forms and Chromaticism
Analysis and composition of advanced musical forms such as sonata, rondo, episodic, etc., nineteenth-century chromaticism, intermediate computer-based music engraving. **Prerequisites & Notes**

**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 & Notes**

**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 & Notes**

**MUS 323 - Music in the Elementary School**

Current issues, methods, and techniques for teaching and supervising general music programs in the elementary school. **Prerequisites & Notes**

**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 & Notes**

**MUS 325 - Music in the Elementary and Middle School**

Problems in teaching and supervising the music program in the elementary and middle school. **Prerequisites & Notes**

**MUS 326 - Instrumental Methods and Materials**

Methods and materials used in instrumental teaching. **Prerequisites & Notes**

**MUS 327 - Choral Methods and Materials**

Methods and materials used in developing the school choral program. **Prerequisites & Notes**

**MUS 329 - Fundamentals of Conducting**

Introduction to the basic skills and gestures of conducting. **Prerequisites & Notes**

**MUS 358 - Concert Attendance**

Attendance at ten approved music performances. **S/U grading**

**MUS 371 - University Chorus**

Study and performance of representative choral works, open to any student meeting eligibility requirements. **3 meetings Credits**

**MUS 372 - Concert Choir**

Audition required, public performances. **4 meetings Credits**

**MUS 373 - Band**

Performance of a wide variety of music in marching, symphonic, and concert bands, open to any student meeting eligibility requirements. **4 meetings Credits**

**MUS 374 - Orchestra**

Experience for advanced strings, wind, and percussion players formal concerts and performances. **Credits**

**MUS 375 - Ensemble**

Performance in vocal and instrumental ensembles. **S/U grading**

**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. **Credits**

**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 & Notes**

**MUS 383 - Music and Audio in Media**

Recording, editing, importing, embedding and synchronizing in a variety of media formats including compact disc, video, instructional presentation, and the World Wide Web. **Credits**

**MUS 389 - Cooperative Education in Music**

See Cooperative Education Program. **Credits**

**MUS 403 - Marching Band Techniques**

Marching Band Techniques. **Prerequisites & Notes**

**MUS 405 - Senior Recital**

Public performance. May be scheduled after hearing committee approval. **Prerequisites & Notes**

**MUS 406 - Applied Minor**

One 30-minute private lesson per week. **Prerequisites & Notes**

**MUS 407 - Applied Major**

Applied music with one hour of private instruction and one hour master class each week. **Studio Prerequisites & Notes**

**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. **Credits**
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 & Notes: 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 & Notes: 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 & Notes: PREQ Two semesters of MUS 317 and 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 & Notes: 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 & Notes: 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 & Notes: PREQ 419 or permission of the instructor Credits (3, R9)

MUS 425 - Twentieth-Century Music
Historical and theoretical issues in twentieth-century music.
Prerequisites & Notes: PREQ 419 Credits (3)

MUS 426 - Jazz Arranging and Composing
Basic tools of creative arranging and composing for small jazz ensembles.
Prerequisites & Notes: PREQ 320 or permission of instructor Credits (3)

MUS 428 - Choral Conducting
Study and application of gesture communication and analysis to choral conducting. Lab.
Prerequisites & Notes: PREQ 329 Credits (2)

MUS 429 - Instrumental Conducting
Application of techniques and analysis to instrumental conducting. Lab.
Prerequisites & Notes: PREQ 329 Credits (2)

MUS 468 - Scoring for Film and Video
Materials and procedures in producing music in synchronization with film and video.
Prerequisites & Notes: PREQ Grade of “C” or better in 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 & Notes: 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 & Notes: 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 & Notes: PREQ 379 or permission of instructor Credits (3)

MUS 480 - Independent Study
Independent Study
Prerequisites & Notes: PREQ Permission of the instructor, music major.
Credits (1-3, R9)

MUS 483 - Practicum in Music
Project based practicum in an on campus work environment, 45 hours of work per hour of credit.
Prerequisites & Notes: PREQ Permission of the instructor.
Credits (1-3)

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 & Notes: 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 & Notes: COREQ EDSE 490, 495.
Credits (3)

MUS 493 - Topics in Music
Issues in music performance, education, or the music business.
Prerequisites & Notes: PREQ Permission of department head.
Credits (1-3, R12)

MUS 494 - Topics in Musical Theatre
Selected topics in musical theatre  Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

MUS 497 - Seminar in Piano Pedagogy 2 Lab Prerequisites & Notes PREQ Approval of instructor Credits (1, R4)

MUS 498 - Seminar in Accompanying 2 Lab Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ Junior or senior standing Credits (3)

NAS 474 - Issues in Indian Health
Historical and cultural context of disease in the Americas from 1500 AD to present, with focus on health of Indigenous Peoples of Southeast Prerequisites & Notes PREQ 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 & Notes PREQ 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 in-patient care, structure of the American Dietetic Association, and current issues in the profession of dietetics Credits (1)

ND 300 - The Science of Nutrition
An introduction to the principles of a healthful diet and weight control in comparison to current trends in eating behaviors and food production 3 in-class laboratory sessions during four 75-minute class periods Credits (3)

ND 310 - Food, Nutrition, and Culture
Exploration of the role of cultural diversity in formation of food habits with focus on changes in US dietary patterns related to global cultural plurality (P6) 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 3 Lecture, 3 Lab Prerequisites & Notes PREQ 330 Credits (4)

ND 333 - Quantity Food Production
Application of principles of food preparation in large quantities, use of institutional equipment and procedures, introduction of institutional food service production management techniques 2 Lecture, 3 Lab Prerequisites & Notes PREQ ND 331 Credits (3)

ND 334 - Nutritional Applications
Applications of the principles of nutrition to diet planning, nutrient analysis, including computer-aided analysis, and nutritional assessment and counseling 2 Lecture, 3 Lab Prerequisites & Notes PREQ 330 Credits (3)

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 & Notes PREQ 330 Credits (3)

ND 338 - Normal and Therapeutic Nutrition
Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy Prerequisites & Notes PREQ CHEM 133 Credits (3)

ND 340 - Community Nutrition
Application of nutrition principles to planning funding implementation, monitoring and evaluation of community nutrition programs and
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 & Notes PREQ 330 or HSCC 150 Credits (3)

ND 389 - Cooperative Education in Nutrition
See Cooperative Education Program Credits (1 or 3, R15)

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 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 & Notes 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 & Notes PREQ 432 Credits (3)

ND 439 - Introduction to Professional Practice
Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management Prerequisites & Notes PREQ Permission of instructor Credits (1)

ND 441 - Nutritional Biochemistry I
Normal nutrition in relation to biochemical and physiological functioning of macronutrients and their interrelationships Prerequisites & Notes PREQ 334, BIOL 293, and CHEM 133 Credits (3)

ND 442 - Nutritional Biochemistry II
Normal nutrition in relation to biochemical and physiological functioning of nutrients with emphasis on vitamin and mineral pathways Prerequisites & Notes PREQ 441 Credits 3

ND 444 - Nutrition Education
Analysis and application of educational theory and techniques used in nutrition education, skill-building in the design evaluation of nutrition education for diverse audiences Prerequisites & Notes PREQ 334, 340 Credits (3)
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 & Notes. 210 or 340, 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 & Notes. 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 - Introduction to Geographic Information Systems
Introduction to and applications of geographic information systems in natural resources management. 2 Lecture, 4 Lab 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 & Notes. 210 or 340, 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 & Notes. 210 or 340, 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. 3 Lecture, 2 Lab. Prerequisites & Notes. 140 and 141, NRM 210 or 344, or permission of instructor. Credits (3)

NRM 389 - Cooperative Education in NRM
See Cooperative Education Program. Credits (1 or 3, RIS)

NRM 420 - Soil Genesis and Classification
Students will study the formation and classification of soils and relate their importance to resource management. 2 Lecture, 2 Lab Credits (3)

NRM 440 - Integrated Resources Management
Natural resources management exercises, project and strategic planning, map and quantitative integration techniques, group dynamics. 2 Lecture, 4 Lab. Prerequisites & Notes. 210 or 340, 442, or permission of instructor. Credits (4)

NRM 442 - Natural Resources Policy and Administration
Policy and administrative principles, case studies on the evolution of policy in the United States, current issues. Prerequisites & Notes. 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 & Notes. 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 & Notes. 210 or 340, 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 & Notes. 210 or 340, 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 & Notes. 210 or 340, or permission of instructor. Credits (3)

NRM 472 - Geospatial Analysis
Integrative, interdisciplinary analysis into ecosystem habitats. Biophysical interactions and extrapolation of community to landscape level analysis. 3 Lecture, 2 Lab. Prerequisites & Notes.
NRM 480 - Independent Study
Independent Study Prerequisites & Notes 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 & Notes PREQ NRM major and permission of instructor Credits (1-4, R12)

Nursing

NSG 101 - Introduction to Professional Nursing
Introduction to professional nursing which will acquaint pre-licensure students with the essential competencies for success in the major and profession of nursing 1 Lecture 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 & Notes 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 & Notes 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 & Notes 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 & Notes PREQ Admission to the major CO-REQ NSG 311 Credits (4)

NSG 311 - Foundations of Nursing
Application of fundamental nursing concepts The nursing role is explored within the context of individual, family and community health Prerequisites & Notes PREQ Admission to the major CO-REQ 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 & Notes PREQ Admission to the major CO REQ NSG 311 Credits (3)

NSG 313 - Pharmacotherapeutics in Nursing
Effects of chemicals used in the prevention, diagnosis and treatment of disease Emphasis on safe application of basic pharmacotherapeutic knowledge Prerequisites & Notes PREQ Admission to major CO-REQ 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 & Notes PREQ Admission to major CO-REQ NSG 311 Credits (1)

NSG 320 - Concepts of Adult Nursing
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 & Notes PREQ NSG 310, 311, 312, 313 CO-REQ NSG 321 Credits (3)

NSG 321 - Adult Nursing Practicum
Continued practical application of nursing process with emphasis on nursing science applicable to individuals experiencing chronic alterations in health Prerequisites & Notes PREQ NSG 310, 311, 312 and 313 CO-REQ 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 & Notes PREQ NSG 310 and 311 CO-REQ NSG 321 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 & Notes PREQ NSG 313

(2)

NSG 324 - Evidence Based Nursing Practice
Introduction to the intellectual skills needed to identify, conduct, report and critique nursing research Prerequisites & Notes PREQ NSG 310, 311 and 314 CO-REQS NSG 320 and 321
Credits (2)

NSG 325 - Nursing Ethics and Health Policy
Introduction to the intellectual skills needed to identify, conduct, report and critique nursing research Prerequisites & Notes PREQ NSG 310
CO-REQ NSG 324
Credits (2)

NSG 327 - Essentials of Baccalaureate Nursing
Essential nursing concepts to prepare the baccalaureate nurse to practice within complex health care systems and assume the roles of provider of care, designer/manager/coordinator of care and member of the profession Prerequisites & Notes PREQ Successful completion of 1st three years of RIBN program and NCLEX-RN COREQ NSG 302, 305, 322, and 384
Credits (4)

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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 341 COREQ 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 & Notes PREQ BIOL 291 PREQ or COREQ BIOL 292
Credits (3)

NSG 350 - Dimensions of Professional Nursing
The development of the profession and of professional nurse roles 1 Lecture, 1 Seminar

Prerequisites & Notes PREQ 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 & Notes PREQ Admission to the nursing sequence COREQ 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 & Notes PREQ 340, 341, 350, 353, 383 COREQ 342, 387
Credits (4)

NSG 360 - Health Care of Women
Review of women's health care, the functions of women's bodies, and personal responsibility for health
Credits (2)

NSG 383 - Clinical Practicum I
Application of psychomotor skills, interpersonal and nursing processes to the care of individuals, emphasis on the nursing role in health maintenance S/U grading 12 Lab Prerequisites & Notes COREQ 302, 305
Credits (2)

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 Prerequisites & Notes COREQ 302, 305
Credits (2)

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 & Notes COREQ 340, 341, 350, 353, 383 COREQ 342, 357
Credits (4)

NSG 389 - Cooperative Education in Nursing
See Cooperative Education Program.
Prerequisites & Notes PREQ 355
Credits (1 or 3, R15)

NSG 393 - Topics in Nursing
Topics in Nursing Prerequisites & Notes 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 & Notes 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 & Notes PREQ 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 & Notes: 

**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. Prerequisites & Notes: COREQ 468 Credits (2)

**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 & Notes: PREQ NSG 320 and 321 CO-REQ NSG 411 Credits (4)

**NSG 411 - Adult Nursing II Practicum**  
Continuation application of the nursing process with emphasis on nursing science applicable to individuals experiencing acute alteration in health. Prerequisites & Notes: PREQ NSG 310 and 311 CO-REQ 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 & Notes: PREQ NSG 320 and 321 CO-REQ NSG 413 Credits (3)

**NSG 413 - Maternal/Child Nursing Practicum**  
Application of nursing process with emphasis on the nursing science of childbearing and childrearing concepts. Prerequisites & Notes: 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 & Notes: PREQ NSG 310, 311, 313 and 323 CO-REQS NSG 410 and 411 Credits (2)

**NSG 420 - Synthesis of Nursing Concepts**  
Synthesis of program outcomes for transition into nursing practice as a graduate nurse. Prerequisites & Notes: PREQ NSG 410, 411, 412, 413 and 414 CO REQ NSG 421 Credits (2)

**NSG 421 - Synthesis of Nursing Practicum**  
Application of program outcomes for transition into professional practice as a graduate nurse. Prerequisites & Notes: PREQ NSG 410, 411, 412, 413 and 414 CO-REQ NSG 420 Credits (4)

**NSG 422 - Concepts of Community/Mental Health Nursing**  
Integration of concepts of community and mental health nursing. Prerequisites & Notes: 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 & Notes: PREQ NSG 410, 411, 412, 413 and 414 CO REQ NSG 422 Credits (4)

**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 & Notes: PREQ 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 & Notes: PREQ Permission of instructor Credits (2)

**NSG 466 - Nursing Science III**  
Concepts of health care, health promotion, illness care, and nursing roles for clients with complex health care needs. Prerequisites & Notes: PREQ 357, 387 COREQ 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 & Notes: PREQ 357 and 387 COREQ 488 Credits (5)

**NSG 470 - Nursing Research**  
Research design in the study of nursing problems, interpretation of research emphasized. Prerequisites & Notes: PREQ Permission of instructor Credits (2)

**NSG 471 - Nursing Research I Research Process**  
Research design in the study of nursing problems, research process emphasized. Prerequisites & Notes: COREQ 472, 473 Credits (2)

**NSG 472 - Nursing Research II Critical Reading**  
Research design in the study of nursing problems, critical reading emphasized. Prerequisites & Notes: COREQ 471, 473 Credits (2)

**NSG 473 - Nursing Research III Clinical Application**  
Research design in the study of nursing problems, clinical application emphasized. Prerequisites & Notes: COREQ 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 & Notes 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 & Notes PREQ Permission of instructor Credits (1-3, R6)

NSG 482 - Readings in Nursing
Readings in Nursing Prerequisites & Notes 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 Prerequisites & Notes COREQ 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 Prerequisites & Notes COREQ 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 & Notes PREQ 357, 387 COREQ 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 & Notes PREQ 357 and 387 COREQ 468 Credits (6)

Project Management Certificate

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 & Notes PREQ NSG 410, 411, 412, 413 and 414 CO REQ NSG 421 Credits (2)

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 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 (P4) Credits (3)

PAR 242 - What is 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 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 (P3) 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 - Justice, Power and Human Nature in the Ancient Greek Polis**

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 - Science, Reason, and Autonomy in the Enlightenment**

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 308 - From Pragmatism to Postmodernism**

The development of philosophy in England and America in the 19th and 20th centuries, with particular emphasis on William James and Ludwig Wittgenstein. (P4) Credits (3)

**PAR 309 - Philosophy In and Of Film**

Philosophical ideas in film, philosophical ideas about film and about the interpretation of film. (P4) Credits (3)

**PAR 310 - Philosophy of Art**

Consideration of ways of making reflective claims about art, emphasis on development of a personal viewpoint. Credits (3)

**PAR 311 - Philosophy of Science**

The structure of scientific explanation and discovery, the cognitive status of scientific theories, relations between the various natural and social sciences. 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. (P1) Credits (3)

**PAR 314 - 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. (P1) Credits (3)

**PAR 320 - Philosophical and Religious Classics**

An exploration of a seminal text or thinker in philosophical or religious thought. (P4) Credits (3)

**PAR 323 - Mysticism and the Modern Mind**

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. (P1) 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?” (P1) Credits (3)

**PAR 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 BIOL 334 No credit for BIOL 334 (P1) 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 355 - Contemporary Religious Classics**

The spiritual insights of different 20th-century individuals and cultures, as portrayed in quests and experiences of life and death, love and suffering, or the sacred. (P6) Credits (3)

**PAR 356 - Medieval and Reformation Theology**

Theological-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
God's Law and the Laws of Nature
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 (P3) 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 - Morality, Conflict, and Community
Upper level study of recent debates in moral theory about the best ways to live, and relevant human features that establish flourishing and community Prerequisites & Notes Philosophy major or by permission of instructor Credits (3)

PAR 393 - Topics in Philosophy and Religion
Topics in Philosophy and Religion Prerequisites & Notes 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 & Notes PREQ 6 hours in philosophy, excluding 101 and 201, or permission of instructor Credits (3, R9)

Psychology

PE 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)

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 210 - Social Psychology
Social influences on individual behavior, feelings, and thoughts, social psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena Prerequisites & Notes PREQ 150 or permission of instructor Credits (3)

PSY 251 - Research Methods I Statistics
Statistical description and inference, central tendency and variability, correlational measure, parametric and nonparametric tests of significance Prerequisites & Notes An algebra course, PSY 150 or permission of instructor Credits (3)

PSY 252 - Research Methods II Experimentation
Naturalistic observation and correlational research, research designs and statistics, ethical issues, data collection and analysis, writing formal papers Prerequisites & Notes PSY 251 or permission of instructor 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 & Notes PSY 150 Credits (3)

PSY 271 - Research Design and Data Analysis I
Introduction to non-experimental research and statistics analysis, observational, survey, and correlational research methods - descriptive and inferential statistical analysis Prerequisites & Notes PSY 271 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 quasiexperimenal research designs, inferential statistical analysis through 2-way ANOVA Prerequisites & Notes PSY 271 or permission of instructor Credits (3)

PSY 280 - Research in Psychology I
Introductory level supervised bibliographical or research activity S/U grading Prerequisites & Notes PSY 150 or permission of instructor Credits (1-3, R3)

PSY 313 - Organizational and Industrial Psychology
Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations Prerequisites & Notes PSY 150 or permission of instructor Credits (3)

PSY 320 - Child and Adolescent Development
Theories and principles of development of individuals from diverse backgrounds from conception through adolescence (P1) Prerequisites & Notes PSY Junior or senior status Credits (3)

PSY 321 - Educational Psychology

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Application of psychological principles to teaching, cognition, learning, motivation, measurement, individual differences including cultural differences and exceptionalities, and behavior management. **Prerequisites & Notes**  
PSY 320 or 322 and admission to teacher education program; Field experience required. **Credits (3)**

**PSY 322 - Adolescent Development Problems and Achievements**  
Theories and principles of development and problems specific to adolescents from diverse backgrounds; Field experience required. **Prerequisites & Notes**  
Completion of EDCI 231 with a grade of "C" or better or for teacher education majors, PSY 150 or permission of instructor for other majors. **Credits (3)**

**PSY 323 - Understanding Development, Learning and Assessment for Responsive Instruction**  
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 & Notes**  
EDCI 201; **Credits (3)**

**PSY 325 - Development Early Adulthood through Maturity**  
Physiological, cognitive, emotional, psychological, and social development from college age through adulthood. **Prerequisites & Notes**  
EDCI 210; **Credits (3)**

**PSY 327 - Psychology of Aging**  
The process of aging during the later years, biological, psychological, and cognitive changes, theories of aging, counseling approaches. **Prerequisites & Notes**  
EDCI 201; **Credits (3)**

**PSY 331 - Human Sexuality**  
Psychological, biological, social, and legal aspects of sexuality; **Prerequisites & Notes**  
Junior or senior status; **Credits (3)**

**PSY 333 - Psychology of Sex Differences**  
Development of sex differences and similarities in cognition, personality, and social behaviors; **Prerequisites & Notes**  
EDCI 201; **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; **Credits (3)**

**PSY 360 - Psychological Testing**  
History, theory, and practice of measurement, test development and standardization, evaluation of intelligence, achievement, aptitude, and personality. **Prerequisites & Notes**  
EDCI 201; **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 & Notes**  
EDCI 201; **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. **Prerequisites & Notes**  
EDCI 201; **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 & Notes**  
EDCI 201; **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 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 & Notes**  
EDCI 201; **Credits (3)**

**PSY 430 - Personality**  
Assumptions, constructs, and theories of personality, related empirical findings. **Prerequisites & Notes**  
EDCI 201; **Credits (3)**

**PSY 440 - Biological Psychology**  
Physiological, genetic, and evolutionary bases of behavior. **Prerequisites & Notes**  
EDCI 201; **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 & Notes**  
EDCI 201; **Credits (3)**

**PSY 444 - Cognitive Psychology**  
Theories and principles of human information processing, language production and comprehension, basic processes in memory and cognition. **Prerequisites & Notes**  
EDCI 201; **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 & Notes**
- **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 & Notes**
- **PREQ** 152 or MATH 153
- **COREQ** PHYS 230 lecture and PHYS 230 lab
- Credits (4)

**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 & Notes**
- **PREQ** 150 or permission of instructor Credits (3)

**PSY 474 - The Emotionally Disturbed Child and Adolescent**
Etiology, characteristics, assessment, and treatment of deviation, learning difficulties, behavioral and psychotic disorders, problems of the handicapped.

**Prerequisites & Notes**
- **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 & Notes**
- **PREQ** 150, junior-senior status Credits (3)

**PSY 480 - Research in Psychology**
Supervised research experiences for advanced students. S/U grading.

**Prerequisites & Notes**
- **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.

**Enrollment restricted to** 9 hours applicable to major.

**Prerequisites & Notes**
- **PREQ** 20 GPA, 130, 271, 272, permission of instructor Credits (1-6, R6)

**PSY 484 - Internship in Psychology**
Application of theory, methods, and techniques in a cooperating agency under faculty supervision.

**Enrollment restricted to** 9 hours applicable to major.

**Prerequisites & Notes**
- **PREQ** 20 GPA, 130, 271, 272, permission of instructor Credits (1-6, R6)

**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 & Notes**
- **PREQ** 272 or permission of instructor Credits (3)

**Physics**

**PHYS 105 - Contemporary Physics**
A lecture laboratory integrated course covering basic theories and techniques used in physics. Topics include wave motion, matter, heat, electromagnetism, quantum mechanics, and nuclear physics.

**Prerequisites & Notes**
- **COREQ** PHYS 130
- Credits (4)

**PHYS 130 - Introductory Physics I**
Noncalculus based treatment of motion, force, energy, and heat.

**Prerequisites & Notes**
- **COREQ** PHYS 130
- Credits (4)

**PHYS 131 - Introductory Physics II**
A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics.

**Prerequisites & Notes**
- **COREQ** PHYS 131
- 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.

**Prerequisites & Notes**
- **Credit** 2 Lecture/Lab Credits (1)

**PHYS 230 - General Physics I**
Calculus-based study of motion, force, energy, wave motion, and thermodynamics.

**Prerequisites & Notes**
- **COREQ** MATH 152 or MATH 153
- 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 & Notes**
PRQ PHYS 230
Credits (3-4)

**PHYS 302 - Electronics**
Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits, and digital techniques. 3 Lecture, 3 Lab

**Prerequisites & Notes**
PRQ 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 & Notes**
PRQ 131 or 231, 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 & Notes**
PRQ 131 or 231, MATH 255
Credits (3)

**PHYS 322 - Optics**
Geometrical and physical optics, introduction to quantum optics.

**Prerequisites & Notes**
PRQ 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 & Notes**
PRQ 131, MATH 256
Credits (3)

**PHYS 330 - Geophysics**
Geophysics

**Prerequisites & Notes**
PRQ 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 & Notes**
PRQ 231 or 131, MATH 256
Credits (3)

**PHYS 360 - Laboratory Physics**
Intermediate experiments in modern physics.

**Prerequisites & Notes**
PRQ 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 & Notes**
Permssion 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 & Notes**
PRQ 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 & Notes**
PRQ 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 & Notes**
PRQ 410 and 320 or MATH 250
Credits (3)

**PHYS 450 - Quantum Mechanics**
Origins of quantum theory, the Schrödinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials and the hydrogen atom.

**Prerequisites & Notes**
PRQ 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 & Notes**
Permssion of instructor
Credits (3)

**PHYS 493 - Topics in Physics**
Topics in Physics

**Prerequisites & Notes**
PRQ 350 or permission of department head
Credits (2-4)

**PHYS 495 - Seminar in Physics**
S/U grading
Credits (1)

**Parks and Recreation Management**

**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 - Outdoor First Care**
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 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 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 - Outdoor Education and Interpretation
Theory and principles of outdoor education as an interdisciplinary approach to learning in a recreational or educational 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 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 350 - University & Career Planning in PRM
This course is designed to maintain students' preparation for community service, graduation requirements and career development Credits (1)

PRM 352 - Beginner/Intermediate Canoe and Kayak
Water-based outdoor pursuits instruction in canoeing, kayaking and basic rescue techniques 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 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 Parks and Recreation Management
Designed to equip students with a variety of program planning methodologies, including proposal and grant writing Evaluative research methods are also included 3 Lecture, 2 Lab Credits (4)

PRM 370 - Internship Orientation
Orientation to the internship, preparation of personnel records, applications, resumes, and agency contracts Preparation for entry into the profession interview and application techniques 2 Lab Prerequisites & Notes PREQ 361 or permission of instructor Credits (1)

PRM 383 - Internship in Parks and Recreation Management
S/U grading This internship is designed to allow a student to gain experience by working with a selected parks and recreation agency Credits (1, R3)

PRM 389 - Cooperative Education in PRM
See Cooperative Education Program Credits (1 or 3, R15)

PRM 420 - Administration and Leadership of Outdoor Pursuits
Implementation of outdoor pursuits programs, includes planning and leadership components, outdoor adventure-based administrative techniques, and risk management 2 Lecture, 2 Lab Prerequisites & Notes PREQ 254 or permission of instructor Credits (3)

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 & Notes 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 & Notes 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 461 - Management and Administration of PRM Services
Management, organization, and supervision in recreation and leisure service administration. Includes entrepreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research. Prerequisites & Notes: PREQ 250 or permission of instructor. Credits (3)

PRM 480 - Independent Study
Independent Study. Prerequisites & Notes: PREQ Permission of program coordinator. Credits (1-3, R6)

PRM 483 - Capstone 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 (6)

PRM 484 - 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 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 & Notes: PREQ Permission of instructor. Credits (1-12)

PRM 493 - Topics in Parks and Recreation Management
1 Lecture, 2 Lab. Prerequisites & Notes: 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 Science

PSC 107 - Comparative Political Cultures
Impact of cultural differences on the policies and political perspectives of various First, Second, and Third World nations, comparison and contrast of contemporary examples. Credits (3)

PSC 110 - Global Issues
How globalization as a cultural and economic process is transforming contemporary society. (P6) Credits (3)

PSC 150 - American Government and Politics
The American political system, introduction to government institutions and how politics shapes policies. (P1) Credits (3)

PSC 190 - Active Citizenship Making a Difference in Your Community
Examples of political activism and application of successful principles to enhance the quality of life in the WCU community. Credits (3)

PSC 215 - European Political Systems
Comparison of the political systems of selected nations. Credits (3)

PSC 216 - 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 219 - Latin American Political Systems
Institutions, groups, parties, and processes, problems of political development, modernization, and change. Credits (3)

PSC 241 - International Politics
Components and characteristics of the international political system, conflict and cooperation in international relations, changing nature of international behavior. 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 250 - Introduction to Political Science
An introduction to the Political Science discipline. For majors and prospective majors, explores subfields and career paths and opportunities. Credits (1)

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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 302</td>
<td>Problems and Policies of American Government</td>
<td>Alternative public policies in selected areas - social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 303</td>
<td>State and Local Government</td>
<td>Structure and functions of state and local government, processes of policy formation.</td>
<td>(3)</td>
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<tr>
<td>PSC 304</td>
<td>Public Administration</td>
<td>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.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 305</td>
<td>Congress</td>
<td>Congress as an institution, its role in the formulation of national policies, case studies dealing with legislation in the various areas of national policy.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 306</td>
<td>American Presidency</td>
<td>The chief executive, his advisers, role playing, and decision making in the executive branch.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 307</td>
<td>Civil Service Administration</td>
<td>Policies, methods, and techniques used in civil service systems, problems, and procedures in the public sector (local, state, and national).</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 309</td>
<td>The Politics of Budgeting</td>
<td>Budgetary aspects of national, state, and local government operations, budget formulation, execution and enactment, revenue resources, politics of process.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 310</td>
<td>Constitutional Law - Structure and Powers</td>
<td>An examination of the United States Constitution in substance and its role in defining and shaping the American political system and American culture.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 317</td>
<td>Politics of East Asia</td>
<td>Selected political systems of East Asia, factors involved in political change and modernization.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 333</td>
<td>International Law</td>
<td>Rules and practices regulating such matters as state territory and jurisdiction, treaties, nationality, and treatment of aliens, diplomatic and consular relations, warfare.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 334</td>
<td>United States Foreign Policy</td>
<td>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.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 335</td>
<td>Problems in World Politics</td>
<td>Contemporary issues in international politics, international problem-solving methods and applications.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 336</td>
<td>Mass Media and American Politics</td>
<td>Examination and assessment of the power and influence of the mass media in American politics, emphasis on television.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 345</td>
<td>Ancient and Medieval Political Thought</td>
<td>Political philosophers from Plato to Thomas Aquinas - their ideas examined and related to current issues.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 346</td>
<td>Modern Political Thought</td>
<td>Political philosophers from Machiavelli to Mill, ideas providing the basis of modern political discussion and controversy examined.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 347</td>
<td>American Social and Political Eras</td>
<td>American social and political ideas from the Federalist Papers to the present.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 348</td>
<td>Political Analysis</td>
<td>Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems.</td>
<td>(3)</td>
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<tr>
<td>PSC 349</td>
<td>Civic Learning</td>
<td>Participate in a service learning experience and analyze its relationship to public policy.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 350</td>
<td>Advanced Writing in Political Science</td>
<td>Using a course paper, work with a faculty member to prepare the paper for presentation or publication submission.</td>
<td>(1)</td>
</tr>
<tr>
<td>PSC 351</td>
<td>Gender in Politics</td>
<td>Gender roles examined in the context of national, state, and local government and politics.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 356</td>
<td>Judicial Process</td>
<td>The process of judicial decision making - The institutional and political constraints on judicial behavior. Judicial decision making as a tool of interpretation and impact.</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 389</td>
<td>Cooperative Education in Political Science</td>
<td>See Cooperative Education Program.</td>
<td>(1 or 3)</td>
</tr>
<tr>
<td>PSC 405</td>
<td>Methods for Teaching Social Sciences</td>
<td>Methods materials, curriculum, and trends in teaching secondary social sciences - Field experience required.</td>
<td>(3)</td>
</tr>
</tbody>
</table>
PSC 406 - Teaching Civics and Economics
Methods, content and assessment for the North Carolina secondary core requirements in Civics and Economics  Prerequisites & Notes PREQ HIST 297, Admission to Teacher Education  COREQ HIST 305 Credits (1)

PSC 407 - American Political Parties
American political parties and their role in the government and politics of contemporary society, current national issues dividing the parties  Credits (3)

PSC 408 - 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  Credits (3)

PSC 415 - Contemporary British Politics
Comparison and contrast of the British political system. Special attention will be paid to evolution, structure, and current national issues  (P6) Credits (3)

PSC 416 - British Legal Studies
The British Legal System, rules and practices relating to such matters as structure, jurisdiction, and individual rights  Credits (3-6, R6)

PSC 421 - Political and Organizational Leadership
Concepts and processes of leadership related to political and public organizations  Prerequisites & Notes PREQ 6 hours in political science or permission of instructor  Credits (3)

PSC 436 - Dynamics of World Order
Alternative approaches to meeting social and political needs in a changing global environment, conditions and practices of interdependence  Credits (3)

PSC 450 - Portfolio
Career exploration, resume building and job search strategies to help political science majors prepare for life after college  Credits (1)

PSC 480 - Readings in Political Science
Readings in Political Science  Prerequisites & Notes 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 & Notes PREQ Permission of department head  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 - Decision Making I
An introduction to managerial decision-making based on data summaries, basic data analysis evaluation, and interpretation  Prerequisites & Notes PREQ MATH 130 Credits (3)

QA 305 - Decision Making II
Builds on skills developed in QA 235 to improve decision-making skills of managers, emphasis on solving managerial problems with models and analysis of alternatives  Prerequisites & Notes PREQ 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 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  Credits (3)

RTH 250 - Inclusion and Recreation for People with Disabilities
Addressing physical, psychological, and accessibility needs of individuals with disabilities
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 & Notes PREQ RTH 200 Credits (3)

RTH 352 - Recreational Therapy Processes and Techniques
Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery Prerequisites & Notes PREQ 200 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 & Notes PREQ RTH 352 Credits (3)

RTH 370 - Methods in Recreational Therapy
Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice Prerequisites & Notes PREQ RTH 352 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 & Notes 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 & Notes PREQ RTH 352 Credits (3)

RTH 405 - Recreational Therapy in Behavioral Health

RTH 417 - Administration of Recreational Therapy Services
Contemporary recreational therapy program organizational principles and administrative issues Prerequisites & Notes PREQ 352 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 & Notes PREQ RTH 352, PRM 270 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 & Notes 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 & Notes 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 Education

SCI 422 - Principles and Methods of Science Education
Philosophy and techniques of inquiry teaching applied to the science curriculum Field experience required Prerequisites & Notes Admission to teacher education, EDSE 322 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 & Notes 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 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 & Notes
PRQ 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 380 - Independent Study
A topic in sport management agreed upon by student and instructor Prerequisites & Notes
PRQ ENGL 102, permission of department head Credits (1-3, R3)

SM 383 - Apprenticeship
Apprenticeship to develop necessary skills before entering the required internship 3 Lab Prerequisites & Notes
PRQ Permission of department head Credits (1, R3)

SM 389 - Cooperative Education in Sport Management
Cooperative Education in Sport Management Prerequisites & Notes
PRQ 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 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 SOC 423 Prerequisites & Notes
PRQ Junior standing, SM 260 for SM majors Credits (3)

SM 435 - Sport Event Management and Sponsorship
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 & Notes
PRQ 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 & Notes
PRQ SM 260 Credits (3)

SM 461 - Sport Marketing
Historical study of sport marketing, techniques in developing sport sponsorship proposals and effective sport promotions, sport marketing applications Prerequisites & Notes
PRQ SM 260 for sport management majors, junior standing Credits (3)

SM 484 - Internship in Sport Management
Experiences relating theory to practice in a specific area of sport management Prerequisites & Notes
PRQ Permission of program coordinator or completion of all required coursework in the major, 2.5 cumulative grade point average, Credits (3-6)

SM 485 - Internship in Sport Management
Experiences relating theory to practice in a specific area of sport management Prerequisites & Notes
PRQ Permission of program coordinator or completion of all required coursework in the major, 2.5 cumulative grade point average, Credits (3-6)

SM 495 - Sport Management Strategy
Analysis of management, organizational structure, and strategic planning in sport organizations, current issues in sport management Prerequisites & Notes
SM major, SM 260, senior standing 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

373
Changes in human societies through cultural, economic, social, and political processes, introduction to development and social movements. Prerequisites & Notes: 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 & Notes: 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 & Notes: 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 & Notes: PREQ 103 or Soc 103 or permission of instructor. Credits (3)

SOC 305 - 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. Prerequisites & Notes: PREQ SOC 103 or SOC 253, or permission of the instructor. Credits (3)

SOC 316 - Dynamics of Popular Culture
This course presents an overview and analysis of popular culture. Emphasis is placed on the relationship of popular culture to economic, political, and cultural dynamics. 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 & Notes: 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 & Notes: PREQ 103 or permission of instructor. Credits (3)

SOC 342 - The Individual in Society
Individual behavior in social context, social interaction. Prerequisites & Notes: 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. Credits (3)

SOC 355 - Criminology
Nature, extent, and causes of criminal behavior, role of police, courts, and corrections, prevention and control programs. Prerequisites & Notes: PREQ 103 and 250, 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 & Notes: 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 & Notes: 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 & Notes: PREQ 103 or permission of instructor. 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 & Notes: 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 & Notes: 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 & Notes: PREQ 385. Credits (3)

SOC 389 - Cooperative Education in Sociology
See Cooperative Education Program. Prerequisites & Notes: 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 & Notes: 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 & Notes
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 & Notes 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 & Notes PREQ 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 & Notes PREQ 103 and 240, 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 & Notes PREQ 103 and 240, or permission of instructor Credits (3)

SOC 448 - Social Movements
Explores theories and historical cases of social movements that promote or resist social change. Reform and radical movements are examined, political, economic, and cultural emphases. Prerequisites & Notes PREQ 103, or permission of instructor Credits (3)

SOC 450 - Sociology of Work
This course provides an overview of the major topics in sociology of work, including the organization of work and inequality related to work. Credits (3)

SOC 455 - Family Violence
Sociological approach to family violence, including child, spouse, and elder abuse, legal and social responses to each. Prerequisites & Notes 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 480 - Independent Study in Sociology
Independent Study in Sociology. Prerequisites & Notes 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 & Notes PREQ 103 or permission of instructor. 3 hours credit applicable to sociology major or minor Credits (3)

SOC 484 - Internship in Sociology
Application of theory and knowledge to work experience in a cooperating agency. S/U grading. 9 hours per week per course. Prerequisites & Notes 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 & Notes 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 & Notes 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 - Interviewing Skills for Practice
Basic knowledge of the profession, emphasis on communication and interviewing skills and the generalist approach. Prerequisites & Notes PREQ 151, 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 & Notes 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 & Notes PREQ 151 or permission of instructor Credits (3)

SOCW 330 - Social Work in the Health Field
Concepts and skills for intervention in hospitals, outpatient clinics, and other health settings, and on some policies affecting health care 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 Credits (3)

SOCW 335 - Social Work Research and Evaluation
Research methods used to enhance and evaluate social work practice knowledge Credits (3)

SOCW 340 - Critical Thinking for Social Workers
Practical tools and techniques for critical thinking Social work applications Credits (3)

SOCW 354 - Human Behavior and the Social Environment II
Focus on interaction of people and their environments from adolescence to later adulthood. Theories and research about human growth and development are consideredPrerequisites & Notes PREQ 334 Credits (3)

SOCW 362 - Direct Practice Individuals and Families
Application of knowledge, values, and skills to social work practice individuals, families, and groups. Prerequisites & Notes PREQ 253, 335, 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 & Notes PREQ 253, 335, and admission to the social work program. Credits (3)

SOCW 395 - Seminar in Social Work
Current trends and issues for practice, studies of social work agencies and programs, examination of social welfare policies and concerns. Prerequisites & Notes 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 & Notes PREQ 151 or permission of instructor Credits (3)

SOCW 420 - Addictions
Overview of complex issues related to addictions, including drug, alcohol, gambling, and eating disorders, examines addiction within the context of developmental life stages and culture. Prerequisites & Notes 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 & Notes 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 & Notes PREQ 420 Credits (3)

SOCW 425 - Science of Addictions
Biological basis of addiction, physiological and psychological effects of substance abuse Prerequisites & Notes PREQ 420 Credits (3)

SOCW 426 - Child Welfare
Child welfare services, public and private programs, the children's rights, and issues affecting services for children and families. Prerequisites & Notes PREQ 151 or permission of instructor 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 445 - International Social Welfare
Current trends and social issues, problems and solutions in countries around the world. Credits (3)

SOCW 481 - Independent Study
Independent Study. Prerequisites & Notes 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 & Notes. 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 & Notes 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 & Notes Some competency in Spanish or consultation with instructor Credits (3)

SPAN 104 - Spanish for Educators, Law Enforcement and Health Care Professionals
Students further develop basic language skills related to the contexts of schools, law enforcement, and health care Prerequisites & Notes 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 110 - Experiencing Spanish and the Spanish-Speaking World Accelerated
Students develop knowledge about the Spanish-speaking world, and through that content, acquire basic functional proficiency in Spanish 4 Lecture, 5 Lab (P6) Prerequisites & Notes Three credit hours only applicable to Liberal Studies Credits (6)

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 & Notes 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 & Notes PREQ 231 or equivalent or placement Credits (3)

SPAN 240 - Accelerated Second-Year Spanish
Continuation of 110, increasing emphasis on reading, writing, and the study of culture of the Hispanic world 4 Lecture, 5 Lab Prerequisites & Notes Permission of instructor Credits (6)

SPAN 301 - Spanish Conversation & Composition
Students will discuss and write about challenging topics of interest in the Hispanic world in Spanish with increasing sophistication Prerequisites & Notes PREQ 232 or 240 or equivalent or placement, or permission of department head Credits (3)

SPAN 302 - Topics of the Hispanic World II
Examination of topics of interest in the Hispanic world, enhancement of communicative abilities, to include student projects Prerequisites & Notes PREQ 232 or 240 or equivalent, or placement 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 & Notes Three credit hours only applicable to Liberal Studies Credits (3, R6)

SPAN 310 - Introduction to Spanish Prose and Poetry
Introduction to Spanish literary texts, reading and analysis of literary works Prerequisites & Notes PREQ 232 or 240 Credits (3)

SPAN 321 - Hispanic Culture
This course will explore the cultures of Spanish speaking world, including geography, history, gastronomy, art music, politics, economics, among other related topics Prerequisites & Notes or COREQ 301 or permission of department head Credits (3)

SPAN 322 - Spanish-American Civilization
Geographical, political, cultural, and historical aspects of Latin America Prerequisites & Notes PREQ 232 or 240 or COREQ 301 and 302, or permission of department head Credits (3)

SPAN 330 - Masterpieces of Spanish Peninsular Literature
The literary periods and movements, authors, and selected representative works of Spain 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 & Notes: PREQ 232 or 240 PREQ or COREQ 301 and 302, 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 & Notes: 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 & Notes: PREQ or COREQ SPAN 301 or permission of department head. Credits (3)

SPAN 389 - Cooperative Education in Spanish
See Cooperative Education Program. Prerequisites & Notes: PREQ 301, 302. Credits (1 or 3, R15)

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 & Notes: PREQ 301 and 302, or permission of instructor. 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. Prerequisites & Notes: One of SPAN 331, 332, or 333 or permission of department head. 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 & Notes: PREQ Admission to the professional education sequence EDSE 322. 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 & Notes: 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 & Notes: PREQ 232 or 240 PREQ or COREQ 301 and 302, or permission of department head. Credits (3, R6)

SPAN 432 - Studies in Spanish-American Literature
Study of an author or authors, a genre, literary movement, school, or literary period of Latin America. Prerequisites & Notes: PREQ 232 or 240 PREQ or COREQ 301 and 302, or permission of department head. 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 & Notes: PREQ One of SPAN 331, 332 or 333 or permission of the department head. Credits (3)

SPAN 441 - Laughter and Tears
Study of comedy and tragedy in the Spanish-speaking world. Prerequisites & Notes: SPAN 331, 332 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 & Notes: PREQ 301 or permission of department head. Credits (3)

SPAN 452 - Advanced Spanish Conversation
Discussion of selected topics reports on assigned readings, situational dialogues in practical, everyday Spanish. Prerequisites & Notes: PREQ 301 or permission of department head. Credits (3)

SPAN 461 - Spanish Phonetics, Morphology and Syntax
An in-depth study in the production of sounds, the formation of words, and sentence structure. Prerequisites & Notes: PREQ WLL 311 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 & Notes: PREQ WLL 311 or permission of department head. Credits (3)

SPAN 481 - Independent Studies in Spanish
Independent Studies in Spanish. Prerequisites & Notes: 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. Prerequisites & Notes: COREQ EDSE 490, 495. Credits (3)

SPAN 493 - Special Topics in Spanish
Study of an author or authors, a genre, literary movement, school, or literary period of Spain. Prerequisites & Notes: PREQ 232 or 240 PREQ or COREQ 301 and 302, or permission of department head. Credits (3, R6)
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 & Notes PREQ or COREQ SPAN 301 or permission of department head 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 & Notes PREQ 240 Credits (3)

SPED 301 - Evaluation of the Exceptional Child
Development of assessment programs and evaluation procedures, practice administering and interpreting tests 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 & Notes 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 & Notes PREQ 240, admission to the professional education sequence Credits (3)

SPED 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 & Notes PREQ SPED 240, GPA 2.75 or higher Professional Education Concentration Credits (3)

SPED 314 - Assessment of the Young Child
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 & Notes PREQ SPED 240 Student must have a GPA of 2.75 in order to take this course 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 & Notes 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 & Notes 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 & Notes 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 & Notes PREQ EDCI 201 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 & Notes PREQ 240 and 241 Credits (3)

SPED 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 & Notes PREQ SPED 240, GPA 2.75 or higher 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 & Notes
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 & Notes PREQ 240 or permission of department head Credits (3)

SPED 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 & Notes PREQ GPA 2.75 or higher Credits (3)

SPED 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 & Notes PREQ 240, GPA 2.75 or higher, Admission to Teacher Education Credits (3)

SPED 413 - Teaching Adolescents with Learning Problems
Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives Prerequisites & Notes 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 & Notes PREQ 240 and 241 Credits (3)

SPED 415 - Promoting the Soc Emotional Comp of Young Child
Causes, prevention, and strategies when working with young children with challenging behaviors Prerequisites & Notes PREQ GPA of 2.75 Credits (3)

SPED 417 - Managing Classrooms for Exceptional Children
Principles and techniques of classroom and behavior management Prerequisites & Notes 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 & Notes PREQ 240 and admission to the professional education sequence Credits (3)

SPED 427 - Teaching Reading to Young Children w/Disabilities
Methods and materials for teaching reading to young children with disabilities Prerequisites & Notes PREQ GPA of 2.75 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 & Notes 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 - Introduction to Gifted Education
Historical concepts of gifted education, examination of the definitions of giftedness, examination of the characteristics and unique needs of gifted students, screening and identification procedures Credits (3)

SPED 475 - Methods and Models of Gifted Education
Examination and analysis of the methods and models of gifted education Prerequisites & Notes PREQ 471 or equivalent Credits (3)

SPED 477 - Curriculum Differentiation for Gifted Learners
Exploration of ways to adapt content, process, product and the learning environment to provide appropriate learning experiences for gifted students Prerequisites & Notes PREQ 471 or equivalent Credits (3)

SPED 480 - Independent Study in Special Education
Individual study in Special Education Credits (1-3, R6)

SPED 484 - Special Education Internship
3-9 hours field experience Three hours per credit hour Prerequisites & Notes 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 - Supervised Student Teaching
A full time teaching experience  Prerequisites &
Notes COREQ 495 Credits (9)

SPED 493 - Special Topics in Special
Education
Special topics relevant to Special Education
Credits (1-3, R6)

SPED 495 - Special Education Seminar
Working with parents, teachers, students, and
others in a helping consultative relationship, skills
for effective participation on interdisciplinary
teams  Prerequisites & Notes PREQ 240 and
admission to the teacher education program
COREQ 490 Credits (3)

Telecommunications Engineering
Technology

TEL 312 - Electronic Communication
Fundamentals
Fundamental principles of communications theory
including spectrum analysis, noise, and modulation
techniques 3 Lecture, 2 Lab/week  Prerequisites
& Notes PREQ ECET 242, MATH 153 with a
grade of C or better, ECET 321 with a grade of C
or better Credits (4)

TEL 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 & Notes PREQ ECET
290 or permission of instructor Credits (4)

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 & Notes
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 & Notes 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 & Notes 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 & Notes PREQ 346
Credits (3)

TEL 480 - Problems in
Telecommunications

Independent study in telecommunications
engineering technology  project required
Prerequisites & Notes PREQ Permission of
adviser and instructor Credits (1-3, R6)

TEL 493 - Special Topics
Current topics in telecommunications
Prerequisites & Notes PREQ Permission of
instructor Credits (1-3, R6)

TEL 495 - Seminar on Telecommunications
Study of current issues in the telecommunications
industry, to include legislative acts, business
trends, and emerging technology  Prerequisites &
Notes PREQ Senior standing Credits (3)

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 production Participation in
creation and presentation of public performances 1
Lecture, 2 Lab S/U Grading Credits (1, R4)

THEA 172 - Theatre Production Stagecraft
Hands-on participation in the construction/painting
of stage scenery 4 Lab Credits (1, R2)

THEA 173 - Theatre Production Costume
Hands-on participation in the construction of stage
costumes and accessories 4 Lab 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
Credits (3)

THEA 220 - Stage Movement
Basic stage movement techniques using
physically 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

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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 & Notes 240 Credits (1)

THEA 270 - Theatre Arts Workshops I  
Practical experience performance crews in theatre productions 3 lab per credit hour Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

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  
The study and performance of theatre and theatrical works related to the African-American experience (P5) Credits (3)

THEA 330 - Makeup II  
Advanced makeup techniques and makeup design integrating makeup, hair, and wigs Project oriented 3 Lab Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 332 Credits (3)

THEA 340 - Acting II  
Introduction to character analysis and styles Prerequisites & Notes PREQ 131, 140 Credits (3)

THEA 341 - Acting III  
Advanced scene work for theatre majors Prerequisites & Notes PREQ 340 Credits (3)

THEA 345 - Acting for the Camera I  
The art of acting as it relates to the television/film environment Prerequisites & Notes PREQ 140 or 340 Credits (3)

THEA 346 - Acting for the Camera II  
Acting for the Camera II Prerequisites & Notes PREQ 345 Credits (3)

THEA 350 - Directing I  
Survey and practical application of the basic theories of play directing Prerequisites & Notes PREQ 131, 140, 231 Credits (3)

THEA 351 - Directing II  
Directing colloquium production problems and solutions Prerequisites & Notes PREQ 350 Credits (3)

THEA 370 - Theatre Arts Workshops II  
Practical experience, performance, leadership portions of theatre productions 3 lab per credit hour Prerequisites & Notes PREQ Permission of instructor Credits (1-3, R6)

THEA 389 - Cooperative Education in Theatre Arts  
See Cooperative Education Program. Prerequisites & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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 & Notes PREQ 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  
aquired 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 & Notes PREQ Senior status Credits (1)

THEA 499 - BFA Thesis/Senior Showcase  
BFA Thesis/Senior Showcase Credits (2)

USI 101 - Honors Forum  
Interdisciplinary introduction to the academic  
multisectoral 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 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 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 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 (1, 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 relationship 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 & Notes PREQ Junior standing, 3 0 GPA Credits (3, R6)

USI 401 - Washington Experience  
A seminar-style course taught as part of "UNC in  
Washington" Student Internship Program  
Prerequisites & Notes PREQ Enrollment in UNC  
in Washington program Credits (3)

USI 497 - Honors Seminar  
Interdisciplinary seminar featuring student  
research directed toward a topic selected in  
consultation with honors students  
Prerequisites & Notes PREQ Junior standing with 3 0 GPA Credits (3, R6)

Other Courses

UE 101 - University Experience  
Introduction to an online learning environment  
Emphasis on student services, skills for success  
and community building  
Credits (0)

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 & Notes PREQ One SPAN 301, FREN 301, GER 301, or  
permission of department head Credits (3)
The Register

History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Western Carolina University is one of the sixteen constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the North Carolina General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of The University of North Carolina was at Chapel Hill.

In 1877, the North Carolina General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate Native Americans. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the North Carolina General Assembly redefined The University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the North Carolina General Assembly passed legislation bringing into the University of North Carolina the state's 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 chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex officio. The North Carolina School of the Arts has two additional ex officio members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

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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Assistant Baseball Coach
Head Women's Basketball Coach
Assistant Women's Basketball Coach
Head Men's Basketball Coach
Assistant Men's Basketball Coach
Assistant Men's Basketball Coach
Assistant Men's Basketball Coach
Cheerleading Coach
Head Football Coach
Defensive Coordinator/Linemanbacker Assistant Head Football Coach
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Running Backs Assistant Football Coach
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Head Women's Golf Coach
Head Men's Golf Coach
Head Soccer Coach
Assistant Soccer Coach
Head Softball Coach
Assistant Softball Coach
Head Women's Tennis Coach
Head Men's and Women's Cross Country/Track Coach
Assistant Men's and Women's Cross Country/Track Coach
Head Volleyball Coach
Assistant Volleyball Coach
Associate Vice Chancellor
Senior Director, News Services
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Tina Orr, M B A  Director, Financial Aid
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Carol M Mellen, M A Ed  Director, Student Support Services
Tammy G Haskett, B S B A  Director, Orientation Programs
David Goss, M F A  Director, Academic Advising Center
Lance Travis Alexis, Ed D  Director, Disability Services

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Melissa Wargo, M A  Assistant Vice Chancellor for Planning and Effectiveness
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**Division of Administration and Finance**

George W Wooten, M A  Vice Chancellor
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Kathy S Wong, B A  Director, Human Resources

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<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mike Doppke, BS (ARAMARK)</td>
<td>Director, Dining Services</td>
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<tr>
<td>William D. Clarke, Jr., M A Ed</td>
<td>Director, Ramsey Regional Activity Center</td>
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<tr>
<td>Bobby Justice, M B A</td>
<td>University Controller</td>
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<tr>
<td><strong>Office of Regional Affairs</strong></td>
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<tr>
<td>Thomas E. McClure, J D</td>
<td>Director</td>
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<tr>
<td><strong>Institute for Economy and Future</strong></td>
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<tr>
<td>Daniel Ostergaard, M P A , M A</td>
<td>Director</td>
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<tr>
<td>Jeffrey M. Zelenka, B S</td>
<td>Director of Finance Administration and Sponsored Programs</td>
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<tr>
<td>Ken Place, M B A</td>
<td>Director, Business Development</td>
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<tr>
<td>Joe Harley, M S</td>
<td>Technology and GIS Analyst</td>
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<tr>
<td>Jose Kuhn, B A</td>
<td>Technology Development and Manager</td>
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<tr>
<td><strong>Mountain Heritage Center</strong></td>
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<tr>
<td>Scott Philyaw, Ph D</td>
<td>Director</td>
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<tr>
<td>Vacant</td>
<td>Curator</td>
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<tr>
<td>Peter G. Koch, M A</td>
<td>Museum Educator</td>
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<tr>
<td>David Brewin, M A Ed</td>
<td>Curatorial Specialist</td>
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<tr>
<td>Christie Osborne, B A</td>
<td>Project Coordinator for DigitalHeritage.org</td>
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<td>Sona Norton, B S</td>
<td>Office Manager</td>
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<td>Trina Royar</td>
<td>Mountain Heritage Day Festival Coordinator</td>
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<td><strong>Student Affairs Office</strong></td>
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<td>Sam Miller, Ph D</td>
<td>Vice Chancellor</td>
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<td>Kellie Montenth, M E</td>
<td>Assistant Vice Chancellor, Student Affairs</td>
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<td>Keith L. Corzine, B S B A</td>
<td>Director, Residential Living</td>
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<td>Mike Corelli, B S</td>
<td>Associate Director, Leadership Programs</td>
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<td>Travis Williams</td>
<td>Director, Kneedler Child Development Center</td>
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<td>Jeff Hughes, M P A</td>
<td>Director, University Center</td>
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<td>Pamela Buchanan, M B A</td>
<td>Director, University Student Health Services</td>
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<td>John R. Ritchie, Ph D</td>
<td>Director, Counseling Center</td>
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<td>Michelle Clonch, M A</td>
<td>Director, Women's Programs and Women's Center</td>
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<td>Debra F. Schwartz, M A</td>
<td>Director, Intramural Sports</td>
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<td>Angie Frederick, M S</td>
<td>Director, Campus Recreation Center</td>
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<td>Todd Murdock, M A Ed</td>
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<td>Tamisha L. Jenkins, M Ed</td>
<td>Director of Multicultural Affairs and Multicultural Center</td>
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<td>Walter Turner, M Ed</td>
<td>Director, Department of Student Community Ethics</td>
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<tr>
<td><strong>North Carolina Center for the Advancement of Teaching</strong></td>
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<tr>
<td>Mary D McDuffie, Ed D</td>
<td>Executive Director</td>
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<td>Kay S. Shapiro, Ed S</td>
<td>Deputy Executive Director</td>
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<td>Director of Business Services</td>
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</table>
Renee H Coward, Ed S | Director for Programming
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Jane E Dalton, M F A | Center Fellow
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Donna Glee Williams, Ph D | Center Fellow
Henry D Wong, Ph D | Center Fellow
Susan Russo | Director of Development
Faculty Listing

John W Bardo, PHD, Chancellor, Professor of Sociology, BA, University of Cincinnati, 1970, MA, Ohio University, 1971, PHD, Ohio State University, 1973, Date of appointment 1995

Linda Seestedt-Stanford, PHD, Interim Provost & Senior Vice Chancellor, Professor of Communication Sciences & Disorders, BS, MA, Central Michigan University, 1973, 1974, PHD, Michigan State University, 2006, Date of appointment 2007

Andrew D Adams, DMA, Assistant Professor, School of Music, DMA, University of Colorado Boulder, 2005, MM, University of Illinois Urbana, 1990, BM, University of Missouri Kansas City, 1988, Date of appointment 2006

Erin Elizabeth Adams, MS, Assistant Professor, School of Art & Design, MS, Colorado State University Fort Collins, 2008, BS, Colorado State University Fort Collins, 2007, BA, Louisiana Tech University, 1996, Date of appointment 2008

Mary Frances Adams, PHD, Associate Professor, English, PHD, University of Houston Main Campus, 1995, MFA, University of Iowa, 1989, BA, Smith College, 1984, Date of appointment 1995

Robert D Adams, PHD, Associate Professor, Engineering & Technology PHD, University of Alabama Huntsville, 2003, MS, Johns Hopkins University, 1991, BS, Clarkson University, 1983, Date of appointment 2003

Elizabeth Hodnett Addison, PHD, Associate Professor, English, PHD, Duke University, 1985, BA, Transylvania University, 1968, MA, University of Tennessee Knoxville, 1975, Date of appointment 1992

James C Addison, PHD, Professor, English, PHD, University of Tennessee Knoxville, 1980, BA, Clemson University, 1969, MA, Clemson University, 1975, Date of appointment 1979

Gregory Patrick Adkson, PHD, Visit Assistant Professor, Biology, PHD, University of Kentucky Lexington, 2000, MA, Indiana State University Terre Haute, 1991, BS, Jackson State University, 1987, BSED, Jackson State University, 1988, Date of appointment 2002

Ann Alexander, PHD, Associate Professor, Educational Leadership & Foundation, PHD, University of Texas Austin, 1997, BS, Oklahoma State University Stillwater, 1987, MS, Oklahoma State University Stillwater, 1993, Date of appointment 2006

Ann Laveda Sundstrom Allen, EDD, Assistant Professor, Educational Leadership & Foundation, BA, University of Kentucky Lexington, 1985, MED, University of Cincinnati, 1995, EDD, University of Cincinnati, 2008, Date of appointment 2009

Grace C Allen, PHD, Associate Professor, Finance, PHD, University of South Carolina Columbia, 1991, BA, Agnes Scott College, 1978, MBA, Appalachian State University, 1985, Date of appointment 1991


Robert Anderson, EDD, Assistant Professor, Engineering & Technology, EDD, North Carolina State University Raleigh, 2002, MA, Clemson University, 1974, BS, Clemson University, 1972, Date of appointment 2005

Patricia A Angrisam, MSN, Visiting Assistant Professor, School of Nursing, MSN, University of Florida, 1973, BSN, University of Florida, 1972, Date of appointment 2008

James Arledge Armenak, , Associate Professor, Department of Stage & Screen, BA, Brooks Institute of Photography, 1974, Date of appointment 2005

Terra E Armfield, DMA, Assistant Professor, School of Music, DMA, University of Kentucky Lexington, 2003, MMA, University of Iowa, 2000, BFA, University of Nebraska Omaha, 1976, Date of appointment 2004

James Michael Arnott, PHD, Assistant Professor, Economics, PHD, University of Georgia Athens, 1973, MS, University of Tennessee Knoxville, 1965, BS, University of Tennessee Knoxville, 1963, Date of appointment 2003

Kia Karrn Terese Asberg, PHD, Assistant Professor, Psychology, MS, University of Central Florida, 2005, BS, Florida State University, 2000, PHD, University of Central Florida, 2008, Date of appointment 2008

Risto Atanasov, PHD, Assistant Professor, Mathematics & Computer Science, BA, St Cyril and Methidius University in Macedonia, 1993, PHD, Sunny Binghamton, 2007, MA, St Cyril and Methidius University in Macedonia, 1998, Date of appointment 2007

Cynthia Ann Atterholt, PHD, Associate Professor & Department Head, Chemistry & Physics, PHD, University of California Davis, 1996, BS, Kent State University, 1977, MBA, Winthrop University, 1987, Date of appointment 1996


Aaron K Ball, EDD, Associate Professor, Engineering & Technology, EDD, Virginia Polytechnic Institute & State University, 1984, MA, Appalachian State University, 1977, BS, Appalachian State University, 1975, Date of appointment 1977

Debashish Banerjee, PHD, Associate Professor, Computer Information Systems, PHD, University of Arkansas Fayetteville, 1992, MS, Patna University, India, 1971, BS, St Xavier's College, 1968, MBA, University of Arkansas Fayetteville, 1987, Date of appointment 1996

Peter Caldwell Bates, PHD, Associate Professor, Geosciences & Natural Resources, PHD, University of Minnesota Minneapolis, 1990, BS, University of Montana, 1977, MS, Montana State University Bozeman, 1981, Date of appointment 1993

Richard S Beam, PHD, Associate Professor, Department of Stage & Screen, PHD, University
of Georgia Athens, 1984, AM, Indiana University Bloomington, 1969, BA, Indiana University Bloomington, 1966, Date of appointment 1971

Robert J Beaudet, PHD, Associate Professor & Department Head, Health, Physical Education & Recreation, PHD, Florida State University, 1997, MS, University of South Florida, 1994 BS, University of South Florida, 1985, Date of appointment 2002

Ruth Traunstein Bennett, MA Instructor, Communication, BA, Emerson College, 1967, MA, Emerson College, 1969 Date of appointment 2007

Travis Bennett, DMA, Assistant Professor, School of Music, DMA, University of Alabama Tuscaloosa, 2003, BM, Florida State University, 1998, MM, University of Alabama Tuscaloosa, 2000, Date of appointment 2006

Bruce D Berger, JD, Visit Assistant Professor, Bus Administration & Law, MBA, University of Miami, 1975, BSE, University of Pennsylvania, 1972, JD, Franklin Pierce Law Center, 1978, Date of appointment 2001

Robert Berry, MPA, Assistant Professor, Criminology & Criminal Justice, MPA, University of Montana, 1996, MS, University of Tennessee Knoxville, 1992, BS, Fairleigh Dickinson University Madison, 1964, Date of appointment 2003

Kate Anne Best, MA, Assistant Professor, Mathematics & Computer Science, MA, Miami University Oxford 2000 BA, Miami University Oxford, 1992 Date of appointment 2008

Wayne E Billon, PHD, Associate Professor, School of Health Sciences, PHD, Clemson University, 1976 MS, Clemson University, 1972, BS, Mississippi State University, 1968, Date of appointment 2004

Russell Binkley, PHD, Assistant Professor Elementary & Middle Grade Education PHD, University of Illinois Urbana, 2005 BA, Abilene Chrste University Abilene, 1976, MS, Eastern Illinois University, 1999, Date of appointment 2004

Christopher Grant Blake, PHD, Assistant Professor, English, MS, Purdue University West Lafayette, 1999, BA, Purdue University West Lafayette, 1993, PHD, Purdue University West Lafayette, 2006, Date of appointment 2006

Lisa Arlene Bloom, EDD, Professor, Human Services, EDD, West Virginia University Morgantown, 1989, BS, Indiana University Pennsylvania, 1980, MA, West Virginia University Morgantown, 1983, Date of appointment 1989

Candace H Boan-Lenzo, PHD, Associate Professor, Psychology, PhD, University of Alabama Tuscaloosa, 1998, BS, College of Charleston, 1993, MA, University of Alabama Tuscaloosa, 1995, Date of appointment 1998

Leonardo Bobadilla, PHD, Assistant Professor Psychology, PhD, Florida State University, 2008, BA, Virginia Commonwealth University, 1999, MS, Florida State University, 2004, Date of appointment 2008

Susan L Bogardus, PHD, Assistant Professor, School of Health Sciences, BS, Purdue University West Lafayette, 1978, PHD, University of Kentucky Lexington, 2000, MS, University of Kentucky Lexington, 1985, Date of appointment 2007


Michael W Boyd, DBA, Associate Professor, Entrepreneurship, BS, Western Carolina University, 1991, DBA, Louisiana Tech University, 2001, MBA, Western Carolina University, 1993, Date of appointment 2007

Patricia L Bricker, EDD Assistant Professor, Elementary & Middle Grade Education MSED, University of Rochester, 1993, MS, University of Rochester, 1993, EDD, University of Tennessee Knoxville, 2005, BS, Cornell University, 1989, Date of appointment 2001

Lisa T Briggs, MPA, Assistant Professor, Criminology & Criminal Justice, MPA, Western Carolina University, 1989, BS, Western Carolina University, , BS, Western Carolina University, 1987, MS, North Carolina State University Raleigh, 1998, Date of appointment 2002

William D Brotherton, PHD, Professor & Department Head, Human Services, PHD, Florida State University, 1989, BS, Missouri Southern State College, 1973, BS, Missouri Southern State College, 1977, MED, Western Carolina University, 1984, Date of appointment 1993


Jane L Brown, MA Visiting Instructor, Anthropology & Sociology, MA, Western Carolina University, 1995, MS, Florida State University, , BS, University of South Carolina Columbia, 1969 Date of appointment 2003

Stephen E Brown, PHD, Professor & Department Head, Criminology & Criminal Justice, PHD, University of Maryland College Park, 1973, BA, Eastern Kentucky University, 1973, MS, Eastern Kentucky University, 1975, Date of appointment 2008

Susan Brown-Strauss, MFA, Professor, Department of Stage & Screen, MFA, University of Southern Mississippi, 1989, MFA, Southern Illinois University Carb, 1978 BS, Mansfield University PA, 1973, Date of appointment 1992

Margaret Ervin Bruder, PHD, Lecturer/Assistant Director of Composition, English, BA, Davidson College, 1984, MA, University of North Carolina Chapel Hill, 1989, PHD, Indiana University Bloomington, 2003, Date of appointment 2007

Claudia Ruth Bryant, PHD Assistant Professor International Programs & Services, PhD, University of Tennessee Knoxville, 2002, BA, University of North Carolina Asheville, 1994, BA, University of North Carolina Asheville, 1993, MA, Appalachian State University, 1996, Date of appointment 2003

Lous E Buck, PHD, Dean/Center Director, School of Business/Entrepreneurship, PHD, Texas A&M University, 1982, MBA, University of Kentucky Lexington, 1985, Date of appointment 2007
Houston Clear Lake, 1976, BS, United States Naval Academy, 1970, Date of appointment 2007

**Robert Earl Buckner**, Band Director/Instructor, School of Music, BSED, Western Carolina University, 1967, Date of appointment 1995

**Mark R Budden**, Professor, Mathematics & Computer Science, PhD, University of Missouri-Columbia, 2003, MA, University of Missouri-Columbia, 1999, BS, Louisiana State University, 1997, Date of appointment 2010

**Joni Bugden, PHD**, Assistant Professor, Geosciences & Natural Resources, PHD, University of Waterloo, Ontario, 2002, Date of appointment 2005

**Ronald L Bumgarner, MS**, Visiting Assistant Professor, Engineering & Technology, MS, Western Carolina University, 1992, BS, Western Carolina University, 1980 Date of appointment 2007

**Kenneth A Burbank, PHD**, Associate Professor & Department Head, Engineering & Technology, PHD, Brown University, 1979, BS, Brown University, 1973, MS, Brown University, 1975, Date of appointment 2001

**Debra Burke, JD**, Professor & Department Head, Bus Administration & Law, BA, MPA, JD, University of Texas, 1977, 1982, 1982, Date of appointment 1992

**Gary Burke, MBA**, Assistant Professor, Construction Management, MBA, Southern Methodist University, 1989, BS, Auburn University, 1981, Date of appointment 2005

**Carol Burton, EDD**, Assistant Vice Chancellor for Undergraduate Studies, Provost's Office, BS, Western Carolina University, 1987, MAED, Western Carolina University, 1989, EDD, North Carolina State University, 2007, Date of appointment 2007

**James Walker Busbin, PHD**, Professor, Sales and Marketing, PHD, University of Tennessee Knoxville, 1981, BS, University of Alabama Huntsville, 1972, MA, University of Alabama Huntsville, 1976, Date of appointment 1991

**Frederick Buskey, EDD**, Assistant Professor Educational Leadership & Foundation, EDD, Bowling Green State University, 2004, BA, Humboldt State University, 1985, MA, Ohio State University Columbus, 1987, Date of appointment 2006

**David J Butcher, PHD**, Assoc Dean/Professor, Office, Dean, Arts & Sciences, BS, University of Vermont, 1982, PHD, University of Connecticut, 1990, Date of appointment 1999

**Karen L Butcher, PHD**, Assistant Professor, Chemistry & Physics, BS, University of Vermont, 1982, PHD, University of Connecticut, 1990, Date of appointment 2004

**Brian D Byrd, PHD**, Assistant Professor, School of Health Sciences, PHD, Tulane University, 2009, MSPH, Tulane University, 2002, BA, University of North Carolina Asheville, 2000, Date of appointment 2008

**Jean F Byrd, MFA**, Professor, School of Art & Design, MFA, University of Wisconsin Madison, 1967 MS, University of Wisconsin Madison, 1963, BA, Agnes Scott College, 1961, Date of appointment 1968

**Mary Elizabeth Byrnes, PHD**, Assistant Professor, Anthropology & Sociology, PHD, Wayne State University, 2009, BS, Wayne State University, 2000, MUP, Wayne State University, 2002, Date of appointment 2009

**Deryl Victor Simonian Caitlyn, MFA**, Assistant Professor, Department of Stage & Screen, MFA, University of California San Diego, 1988, BA, California State University Fresno, 1985, Date of appointment 2008

**James Steve Carlisle, MFA, Assoc Dean/Visiting Assistant Professor, Office of the Dean, Honors, MFA, Florida Atlantic University, 1978, BA, Western Carolina University, 1973, Date of appointment 2003

**C Dale Carpenter, EDD**, Professor, Human Services, EDD, Auburn University Auburn University, 1979, BSED, Albany State University, 1974, MED, Valdosta State University, 1975, Date of appointment 1979

**Catherine W Carter, PHD**, Assistant Professor, English, PHD, University of Delaware, 1999, BA, St Mary's College MD, 1989, MA, University of Delaware, 1991, Date of appointment 1999

**Robert Bruce Carton, PHD**, Assistant Professor, Entrepreneurship, PHD, University of Georgia Athens, 2005, MBA, University of Georgia Athens, 1995, BS, Duke University, 1980, Date of appointment 2005

**Kefyn M Catley, PHD**, Associate Professor, Biology, BS, St Mary's University, 1989, MS, Western Carolina University, 1991, PHD, Cornell University, 1996, Date of appointment 2007

**Michael Cauldill, MA, Instructor, Communication, MA, American University DC, 1989, BA, California State University Dominguez Hills, 1987, AA, San Antonio College, 1979, Date of appointment 2005

**Marilyn S Chamberlin, PHD**, Assistant Professor, Anthropology & Sociology, PHD, Purdue University West Lafayette, 1994, MS, Purdue University West Lafayette, 1992, BA, Purdue University West Lafayette, 1990, Date of appointment 1995

**Sheila Chapman, EDD**, Associate Director of Undergraduate Programs/Assistant Professor, School of Nursing, MSN, University of Alabama Huntsville, 1995, BSN, University of North Alabama, 1991, EDD, University of Virginia, 2008, Date of appointment 2004

**Amy Cherry, MMUS, Instructor, School of Music, MMUS, University of Cincinnati, 1995, BM, University of Illinois Urbana, 1993, Date of appointment 2003

**Daniel E Cherry, MM**, Associate Professor, School of Music, MM, University of Cincinnati, 1998, BM, Capital University, 1995, Date of appointment 2002

**Theodore P Chappelli, DRHP**, Associate Professor, School of Health Sciences, DRHP, Johns Hopkins University, 1996, MS, University Southern California, 1989, MHAD, University Pittsburgh, 1985, BA, University Pittsburgh Johnstown, 1975, Date of appointment 2006

**Daniel L Clapper, PHD**, Associate Professor, Computer Information Systems, PHD, Georgia State University, 1991, BA, Purdue University West Lafayette, 1985, Date of appointment 1996
David Brannan Claxton, EDD, Professor, Health, Physical Education & Recreation, MSED, Baylor University, 1975, BS, Baylor University, 1974, EDD, Arizona State University Tempe, 1985 Date of appointment 1993
Mae Miller Claxton, PHD, Assistant Professor, English, PhD, University of Georgia Athens, 1998, MA, University of North Carolina Chapel Hill, 1990, AA, Abraham Baldwin Agricultural College, BA, University of Georgia Athens, 1988 Date of appointment 1996
Jason Anderson Clement, PHD Assistant Professor, Chemistry & Physics BS, Western Carolina University, 2000, PHD, Virginia Polytechnic Institute and State University, 2005, Date of appointment 2007
Andrew S Coburn, MA, Associate Director Study of Developed Shorelines MA, Duke University, 1993, Date of appointment 2006
Christopher T Coburn, PHD Assistant Professor, Biology, PHD, University At Buffalo, 2000, BS, Tennessee Technical University, 1991, Date of appointment 2005
Carl David Coffee, DBA, Professor, Accounting, DBA, University of Kentucky Lexington, 1983, MS, University of Kentucky Lexington, 1971, BSBA, Eastern Kentucky University, 1969, Date of appointment 1988
Beverly S Collins, PHD, Associate Professor, Biology, MS, Rutgers University, 1979, PHD, Rutgers University, 1985, BS, University of Kentucky Lexington, 1977, Date of appointment 2006
Todd A Collins, JD, PHD, Assistant Professor, Political Science & Public Affairs, BA, University of North Carolina Chapel Hill 1997 JD, University of North Carolina Chapel Hill, 2000, PHD, University of Georgia Athens, 2007, Date of appointment 2007
Linda Susan Comer, PHD, Assistant Professor, School of Nursing, PHD, University of North Carolina Greensboro, 2004, MSN, University of North Carolina Greensboro, 1989 BSN, North Carolina Agricultural & Technical State University, 1984, MS, University of North Carolina Greensboro, 1996, Date of appointment 2007
Robert J Conley, MA, Professor, Office, Dean, Arts & Sciences, MA, Midwestern State University, 1968, BA, Midwestern State University, 1966, Date of appointment 2008
Donald W Connelly, MA, Associate Professor & Department Head, Communication MA, Central Missouri State University, 1975 BS, Central Missouri State University, 1973, Date of appointment 1999
Margaret L Connolly, PHD, Associate Professor, School of Health Sciences, MS, University of Illinois Urbana, 1977, BA, Southeast Missouri State University, 1972, PHD, University of Illinois Urbana, 1981, Date of appointment 2005
Christopher A Cooper, PHD, Associate Professor/Director, Political Science & Public Affairs PHD University of Tennessee Knoxville, 2002, MA, University of Tennessee Knoxville, 1999, BA, Winthrop University, 1997, Date of appointment 2002
Kareena Joan Cooper-Duffy, PHD, Associate Professor, Human Services, PHD, Lehigh University, 1997, MAED, Lehigh University, 1991, BS, Allentown Business College, 1988, Date of appointment 1998
James Thomas Costa, PHD, Executive Director of the Highlands Biological Station/Professor Highlands Biological Station, PhD University of Georgia Athens, 1992, BS, University At Buffalo, 1985, MA, University of Georgia Athens, 1988, Date of appointment 1996
Mark R Couture, PHD, Associate Professor, Modern Foreign Languages, PHD, Duke University, 1995, BA, Michigan State University, 1986, MA, Michigan State University, 1988, Date of appointment 1996
Philip Edward Coyle, PHD Associate Professor, Anthropology & Sociology, PHD, San Francisco State University, 1997, BA, San Francisco State University, 1987, Date of appointment 1998
Kimberly C Crawford, PHD, Assistant Professor, Communication Sciences & Disorders, AA, Tallahassee Community College, 1995 BS, Florida State University, 1997, PHD, Florida State University, 2006, MS, Florida State University, 1999 Date of appointment 2007
Russell Clay Curts, PHD, Associate Professor, Human Services PHD, University of North Carolina Greensboro, 2000, BA, North Carolina State University Raleigh, 1988, MHDL, University of North Carolina Charlotte, 1993, Date of appointment 1999
Andrew Ryan Dalton, PHD, Assistant Professor, Mathematics & Computer Science, PHD, Clemson University, 2008, MS, Appalachian State University, 2004, BS, Appalachian State University, 2000, Date of appointment 2008
Cheryl Joy Daly, EDD, Assistant Professor, Educational Leadership & Foundation, BA, Cuny Queens College NY, 1974, MED, University of Rhode Island, 1976, EDD, University of Massachusetts Boston, 2003, MHA, Washington University, 1983, Date of appointment 2007
Bethany A Davidson, MBA, Visiting Assistant Professor, Entrepreneurship, MBA Western Carolina University, 2004 BS, University of Minnesota Minneapolis, 1995, Date of appointment 2006
James D Davis, PHD, Assistant Professor, Modern Foreign Languages, PHD, University of Georgia Athens, 2000, MA, Georgia State University, 1994, BA, University of North Carolina Chapel Hill, 1989, Date of appointment 2005
Mary Patricia Davis, MS, Instructor Communication Sciences & Disorders, AA, Santa Fe Community College FL, 1972, MS, Western Carolina University, 2008 BS, Western Carolina University, 2006, BS, Western Carolina University, 2006, Date of appointment 2009
Ronald W Davis, PHD Assistant Professor, Geosciences & Natural Resources, PHD, University of Illinois Urbana, 2005, BS, Indiana State University Terre Haute, 1991, MA, Indiana
State University Terre Haute, 1999, Date of appointment 2006

Michael Joseph DeLorm, MFA, Technical Director of the Fine and Performing Arts Center/Professor, Department of Stage & Screen, MFA, University of Memphis, 2002, BA, University of North Carolina Asheville, 1999, Date of appointment 2005

Laura E DeWald, PHD, Assistant Professor, Chemistry & Physics, PHD, Virginia Polytechnic Institute & State University, 1986, MS, Pennsylvania State University Park, 1982, BS, Michigan Tech University, 1980, Date of appointment 2004

Annette Debo, PHD, Assistant Professor, English, PHD, University of Maryland College Park, 1998, BS, Virginia Polytechnic Institute and State University, 1986, MA, Virginia Polytechnic Institute and State University, 1990, Date of appointment 2001

James B Deconnick, PHD, Associate Professor & Department Head, Sales and Marketing, MBA, Central Missouri State University, 1985, PHD, University of Arkansas Fayetteville, 1988, BSBA, University of Missouri Kansas City, 1981, Date of appointment 2002

Claire Decristofaro, MD, Visiting Associate Professor, School of Nursing, BA, Hunter College Liberty Partnership Program, 1975, MD, Yeshiva University New York, 1979, Date of appointment 2005

Andrew Craig Denson, PHD, Assistant Professor, History, PHD, Indiana of University Bloomington, 2000, BA, University of Illinois Urbana, 1992, MA, Indiana University Bloomington, 1994, Date of appointment 2004

Jerry Nelson Denton, MS, Lecturer/Lab Tech, Engineering & Technology, AENGT, Southwestern Community College NC, 1999, BS, Western Carolina University, 2002, MS, Western Carolina University, 2003, Date of appointment 2004

Sloan Evans Despeaux, PHD, Associate Professor, Mathematics & Computer Science, PHD, University of Virginia, 2002, BA, Francis Marion University, 1995, MS, Florida State University, 1997, Date of appointment 2002

Martin D Dewitt, MFA, Museum Director/Associate Professor, School of Art & Design, MFA, Illinois State University, 1979, BA, Western Illinois University, 1970, MA, Western Illinois University, 1976, Date of appointment 2003

Brian D Dunkelman, PHD, Assistant Professor, Chemistry & Physics, PHD, SUNY Center Stony Brook, 1999, BA, SUNY Center Stony Brook, 1992, BS, SUNY Center Stony Brook, 1992, Date of appointment 2001

Kelley Holzknecht Dunkelman, MS, Visiting Assistant Professor, Chemistry & Physics, MS, Indiana University Pennsylvania, 1991, BS, Valdosta State University, 1988, AA, Barnbridge College, 1986, Date of appointment 2004

Sharon F Dole, PHD, Associate Professor, Human Services, PHD, University of Georgia Athens, 1999, MA, Louisiana State University Baton Rouge, 1980, EDS, Georgia Southern University, 1985, BA, Barry University, 1965, Date of appointment 1999

Theresa Domagaluk, PHD, Associate Professor, Management, MBA, SUNY College Buffalo, 1988, BS, SUNY College Buffalo, 1981, PHD, University of South Florida, 1998, BA, SUNY College Buffalo, 1980, Date of appointment 2008

David R Dorondo, PHD, Associate Professor, History, PHD, University of Oxford, 1988, MA, University of South Carolina Columbia, 1984, BA, Armstrong Atlantic State University, 1980, Date of appointment 1987

Arthur M Dougherty, PHD, Professor, Human Services, PHD, Indiana State University Terre Haute, 1974, MAT, Oakland University, 1970, BA, University of Notre Dame, 1968, MAED, Oakland University, , MA, University of Notre Dame, 1971, Date of appointment 1976

Jeanne R Dulworth, MSW, Assistant Professor, Social Work, MSW, University of South Carolina Columbia, 1998, BS, Western Carolina University, 1996, Date of appointment 2000

Pamela Yvonne Duncan, MA, Assistant Professor, English, BA, University of North Carolina Chapel Hill, 1983, MA, North Carolina State University Raleigh, 1996, Date of appointment 2008


Deidre K Elliott, MFA, Associate Professor, English, BA, University of Colorado Boulder, 1970, MFA, University of Arizona, 1995, Date of appointment 2003

Mary Ella Engel, BA, Assistant Professor, History, BA, Kennesaw State University, 1998, Date of appointment 2006

Ashley Harbison Ensley, MS, Assistant Professor, Accounting, MS, Appalachian State, 2006, BSBA, Appalachian State, 2005, Date of appointment 2010

Nancy Helm Estabrooks, DSC, Distinguished Professor, Communication Sciences & Disorders, MED, Northeastern University, 1972, BA, University of Mass Amherst, DSC, Boston University, 1979, Date of appointment 2009

David D Evanoff, PHD, Associate Professor, Chemistry & Physics, PHD, Clemson University, 2005, BS, Westminster College PA, 2001, Date of appointment 2008

Constance V Faircloth, EDD, Associate Professor, Elementary & Middle Grade Education, BS, Toccoa Falls College, 1972, MED, Georgia State University, 1975, EDD, University of Georgia Athens, 1990, EDS, Georgia State University,, Date of appointment 1994

Yang Fan, PHD, Associate Professor, Project Management, PHD, China University of Petroleum, China, 1999, MS, South Dakota School of Mines & Technology, 2004, MS, China University of Petroleum, China, 1996, Date of appointment 2008

M Anna Farrello, MFA, Craft Revival Project Leader & Associate Professor, Hunter Library, MA, Virginia Commonwealth University, 1987, MFA, James Madison University, 1993, Date of appointment 2005
Betty Anne Farmer, PHD, Professor, Communication, PHD, University of Tennessee Knoxville, 1993, BA, University of Virginia College Wise, 1986, MS, University of Tennessee Knoxville, 1988, Date of appointment 1993


Mary Catherine Fenton, PHD, Associate Professor, English, PHD, University of Kentucky Lexington, 1990, MA, University of Wyoming, 1982, BA, University of Wyoming, 1980, Date of appointment 1992

Chip W Ferguson, MS, Associate Professor, Engineering & Technology, MS, University of Southern Mississippi, 1997, BS, University of Southern Mississippi, 1995, Date of appointment 2002

Frederick Hans Fisher, MPA, Visiting Lecturer Political Science & Public Affairs, MPA, Western Carolina University, 1999 AAS, Southwestern Community College, NC, BS, Western Carolina University, , MS, Western Carolina University, 1997, Date of appointment 2003

Ann M Fletchall, PHD, Lecturer, Geosciences & Natural Resources PHD, Arizona State University Tempe, 2009 MA, Arizona State University Tempe, 2005, BA, Gustavus Adolphus College, 2000, Date of appointment 2009

Kenneth E Flynn, MS, Associate Dean & Professor, Business MS, North Carolina State University, 1972, Date of appointment 2008

Tuval S Foguel, PHD Professor & Department Head, Mathematics & Computer Science, PHD, University of Illinois Urbana, 1992, BS, Cuny York College NY, 1988, Date of appointment 2009

Teresa L Folger, PHD Assistant Professor, Elementary & Middle Grade Education, PHD, University of Missouri Columbia, 2001, MS, University of Missouri Columbia, 1976, BS, University of Missouri Columbia, 1975, Date of appointment 2004

George D Ford, MBA, Assistant Professor, Construction Management, MS, University of South Carolina Columbia, 1999, MBA Clemson University, 1990, MS, Clemson University, , BS, Clemson University, 1984 Date of appointment 2004

Robert Wayne Ford, MM, Visiting Assistant Professor, Construction Management, MS, Texas A&M University 2005 BS, Texas A&M University, 2004, Date of appointment 2008


Wendy Ford, PHD, Dean, Arts & Sciences, BS, University of Texas at Austin, MA, PHD, University of Maryland, 1982 1992, Date of appointment 2007

Burton B Fox, EDD, Director of Caribbean & Latin American Programs/ Professor, Educational Outreach Programs, BA, San Diego State University, 1962, MA, University of Alabama Tuscaloosa, 1967, EDD, University of Alabama Tuscaloosa, 1969, Date of appointment 1970

Terry Curtis Fox, , Associate Professor, Department of Stage & Screen, BA, University of Chicago, 1970, Date of appointment 2005

Hartwell Sweeney Francis, PHD, Director/Visiting Assistant Professor, Anthropology & Sociology, MA, Portland State University, 1994, BA, University of New Mexico Albuquerque, 1990 PHD, University of Colorado Boulder, 2006, MA, University of Colorado Boulder, 2000, Date of appointment 2006

Bruce Hart Frazier, DMA, Carol Grotenes Belk Distinguished Professorship, School of Music, DMA, University of Southern California, 1994, MM, East Carolina University, 1972, BM, East Carolina University, 1970, Date of appointment 1998

Helen Freeman, MSN, Internm Dean & Professor, Health & Human Sciences AS, Asheville Buncombe Technical College, 1986, BSN, East Tennessee State University, 2000, MSN, East Carolina University, 2006, Date of appointment 2009

Mario A Gaetano, DMA, Professor, School of Music, DMA, University of Memphis, 1986, BM, Suny College Potsdam, 1977, MM, East Carolina University, 1978 Date of appointment 1979

Santiago Garcia-Castanon, PHD, Professor & Department Head, Modern Foreign Languages, BA, Universidad De Oviedo (Spain), 1983, MA, University of Illinois Urbana, 1987 PHD, University of Illinois Urbana, 1992, Date of appointment 2007

Bonnie L Garner, MS Visit Assistant Professor, School of Nursing, MS, Northern Illinois University, 1982, BSN, Northern Illinois University, , AAS, Elgin Community College, 1974, Date of appointment 1999


Marie-Line German, PHD, Assistant Professor, Human Services, PHD, Barry University, 2006, MA, University of Paris-X France, 1993, BA, University of Stirling, Scotland, 1992, Date of appointment 2010

Jill Dux Ghnassia, PHD Professor, English PHD, Duke University, 1983, BA, Bucknell University, 1969 MA Duke University, 1972 Date of appointment 1993

Geoff R Goehle, PHD, Assistant Professor, Mathematics & Computer Science, PHD, Dartmouth College, 2009, BS, University of Colorado Boulder, 2002, MS, Portland State University, 2004, Date of appointment 2009

Enrique A Gomez, PHD, Assistant Professor, Chemistry & Physics, BS, University of California Santa Cruz, 1998, MS, University of Alabama Tuscaloosa, 2003 PHD, University of Alabama Tuscaloosa, 2006, Date of appointment 2007

Daniel R Gonko, MM, Assistant Professor, School of Music, BA, Central Michigan University, 2005, BME, Central Michigan University, 2005, MM, Western Carolina University, 2007, Date of appointment 2007
James Goodwin, PHD, Professor, Psychology, PHD, Florida State University, 1973, MS, Florida State University, 1971, BA, Holy Cross College, 1968, Date of appointment 2002

Winford A Gordon, PHD, Assistant Professor, Psychology, PHD, University of North Carolina Chapel Hill, 1983, BS, Wofford College, 1977, Date of appointment 2004

Gael N Graham, PHD, Professor, History, PHD, University of Michigan Ann Arbor, 1990, MA, University of Michigan Ann Arbor, 1984, BA, University of California Santa Cruz, 1980, Date of appointment 1990

Cathryn Griffin, MFA, Professor, School of Art & Design, MFA, Yale University, 1980, BFA, Massachusetts College of Art, 1978, Date of appointment 1985

Cathy Lauren Grist, PHD, Assistant Professor, Human Services, MA, Western Carolina University, 1994, BA, Auburn University, 1991, PHD, University of Tennessee Knoxville, 2007, Date of appointment 1994

Angela Johnson Grube, PHD, Dept Head/Associate Professor, Sport Management, PHD, Florida State University, 1998, BS, Georgia College & State University, 1991, MPA, Georgia College & State University, 1994, MS, Georgia Southern University, 1992, MS, Georgia Southern University, 1992, Date of appointment 1999

Dan P Grube, PHD, Associate Dean & Professor, Education and Allied Professions, BS, Lyndon State College, 1989, MS, Troy State University, 1995, PHD Florida State University, 1998, Date of appointment 1999

Sandra S Grunwell, MBA, Associate Professor, Hospitality & Tourism Management, MBA, Bowling Green State University, 1980, MS, Ohio State University Columbus, 1975, BS, Framingham State College, 1971, Date of appointment 1983

Inhyuck Ha, PHD, Associate Professor/MBA Director, Economics, PHD, University of Minnesota Minneapolis, 1999, MS, University of Wisconsin Madison, 1993, BA, Yonsei University, 1987, Date of appointment 2003

John C Habel, PHD, Associate Professor, Psychology, PHD, University of Tennessee Knoxville, 1988, BA, University of Michigan Ann Arbor, 1971, MA, Eastern Michigan University, 1977, Date of appointment 1993

Daryl Lynn Hale, PHD, Associate Professor & Department Head, Philosophy & Religion, PHD, Vanderbilt University, 1991, MA, Vanderbilt University, 1988, BS, Oakland City University, 1973, BS, Calvin College, 1976, Date of appointment 1992

Vincent P Hall, PHD, Associate Professor & Department Head, School of Nursing, PHD, University of South Carolina Columbia, 2000, AAS, Asheville-Buncombe Technical Community College, BSN, Western Carolina University, 1983, AS, Asheville Buncombe Technical Community College, 1978, MS, Clemson University, 1989, Date of appointment 1995

Georgia Hambrecht, PHD, Professor, Communication Sciences & Disorders, PHD, Kent State University, 1982, MA, Western Illinois University, 1982, BS, Bowling Green State University, 1974, Date of appointment 2004

Pamela Lou MaZe Harris, PHD, Assistant Professor, Communication, PHD, University of Tennessee Knoxville, 1994, BA, Southern Adventist University, 1974, MLS, Vanderbilt University, 1979, Date of appointment 2008

Roger E Hartley, , MPA Director/Associate Professor, Political Science & Public Affairs, PHD, University of Georgia, 1999, MA, University of Georgia, 1993, BS, Indiana University, 1991, Date of appointment 2010

Francis Frederick Hawley, PHD, Professor, Criminology & Criminal Justice, PHD, Florida State University, 1982, BA, Louisiana State University Baton Rouge, 1973, MA, Louisiana State University Baton Rouge, 1976, Date of appointment 1993

Suzon Gautreaux Hawley, MA, Lecturer, Communication, MA, Louisiana State University Baton Rouge, 1975, BA, Louisiana State University Baton Rouge, 1973, Date of appointment 2002

Jeanne Parker Heath, MED, Visiting Lecturer, Mathematics & Computer Science, MED, University of Florida, 1974, BS, University of Florida, 1967, Date of appointment 2003

Paul Andrew Heckert, PHD, Professor, Chemistry & Physics, PHD, New Mexico State University University Park, 1983, BA, Frostburg State University, 1974, MS, New Mexico State University University Park, 1977, Date of appointment 1988


Bruce B Henderson, PHD, Professor, Psychology, PHD, University of Minnesota Duluth, 1978, BA, Bucknell University, 1972, MA, Bucknell University, 1975, Date of appointment 1978

Matthew C Henley, MA, Assistant Band Director/Instructor, School of Music, MA, Western Carolina University, 1995, BA, Western Carolina University, , BA, Western Carolina University, 1993, Date of appointment 2001

Harold Albert Herzog, PHD, Professor, Psychology, PHD, University of Tennessee Knoxville, 1979, MA, University of Tennessee Knoxville, 1974, BA, The American University of Beirut, 1968, Date of appointment 1987

Mary Jean Herzog, EDD, Professor, Educational Leadership & Foundation, EDD, University of Tennessee Knoxville, 1988, MS, University of Tennessee Knoxville, 1974, BS, Suny Empire State College, 1972, Date of appointment 1989

Rebecca Bryson Hester, MA, Visiting Instructor, Psychology MA, Western Carolina University, 2002, AA, Tyler Junior College , BA, University of Texas Tyler, 1999, Date of appointment 2003

Anthony A Hickey, PHD, Professor, Anthropology & Sociology, PHD, Cornell University, 1979, MA, Cornell University, 1973, BA, Cornell University, 1971, Date of appointment 1985

Roger Calvin Higgs, PHD, Associate Professor, Management, MBA, University of Utah, 1974, BS, University of Utah, 1971, PHD, Virginia
Polytechnic Institute & State University, 1992, Date of appointment 1990
Nina Jean Hill, EDD, Assistant Professor, School of Nursing, EDD, North Carolina State University Raleigh, 1997, MSN, University of South Carolina Columbia, 1974, MSN, University of South Carolina Columbia, 1974, BSN, Berea College, 1970, Date of appointment 2005
Eleanor Blair Hilty, PHD, Associate Professor, Educational Leadership & Foundation, PHD, University of Tennessee Knoxville, 1987 BS, University of Tennessee Knoxville, 1977, MS, University of Tennessee Knoxville, 1982, Date of appointment 1993
Sonya Louise Himes, MS, Instructor, Biology, MS, Western Carolina University, 2002 BA, University of North Carolina Asheville, BS, University of North Carolina Asheville, 1996, Date of appointment 2005
Jennifer Lyn Hinton, PHD, Associate Professor, School of Health Sciences MS, Indiana University Bloomington, 1994, PHD, Clemson University, 2000, MS, Indiana University Bloomington, 1994 BS, Kent State University, 1991, Date of appointment 2008
Fred Donald Hinson, PHD, Senior Associate Vice Chancellor for Academic Affairs and Associate Professor, Biology, BA, Catawba College, 1960, MS, University of Arkansas, 1963, PHD, Virginia Polytechnic Institute and State 1966
John Quinton Hodges, PHD, Associate Professor & Department Head, Social Work, PHD, University of California Berkeley, 2001, MSW, University of Utah, 1996, BS, University of Utah, 1992, Date of appointment 2008
Thomas E Hodges, PHD, Assistant Professor, Elementary & Middle Grade Education, PHD, University of Tennessee Knoxville, 2008, BS, Belmont University, 2001, MS, University of Tennessee Knoxville, 2007, Date of appointment 2009
Mark Armgter Holliday, PHD, Professor & Department Head, Mathematics & Computer Science, PHD, University of Wisconsin Madison, 1986, BA, University of Virginia, 1978, MS, University of Wisconsin Madison, 1982 Date of appointment 1994
Mary Anne Hollis, PHD Assistant Professor, School of Health Sciences, MS, University of Tennessee Knoxville, 1987, PHD University of South Carolina Columbia, 2002, BA, University of Tennessee Knoxville, 1980, Date of appointment 2005
Christine E Hornak, , Head Women's Softball Coach/Instructor, Office of Athletic Programs, BA, University of North Carolina Greensboro, 1998, Date of appointment 2006
Robert S Houghton, PHD Associate Professor, Elementary & Middle Grade Education, PHD, University of Wisconsin Madison, 1989 BA, Hanover College, 1970 MS, University of Wisconsin Madison, 1972, Date of appointment 1993
Brian P Howell, PHD, Assistant Professor, Engineering & Technology, PHD, Florida Institute of Technology, 2004, BA, Bridgewater College, 1978 MA, University of Virginia, 1981 Date of appointment 2004
Christopher Ashley Hoyt, PHD Assistant Professor, Philosophy & Religion PHD, University of Illinois Chicago, 1998, BA, Boston University, 1988, Date of appointment 2003
Yeqin Huang, PHD, Assistant Professor, Engineering & Technology PHD, University of Nebraska Lincoln, 2003, BS, Peking University, 1982, MS, Peking University, 1985, Date of appointment 2007
Michael W Hubble, PHD, Associate Professor, School of Health Sciences, MBA, University of North Carolina Chapel Hill, 1990 AAS, Guilford Tech Community College, 1986, AAS, Guilford Tech Community College, 1983, BS, High Point University, 1988, PHD, University of Maryland Baltimore, 1997, Date of appointment 1993
Beth Huber, PHD, Assistant Professor, English, PHD, University of Missouri Kansas City, 2002, MA, University of Missouri Kansas City, 1997, BA, University of Missouri Kansas City, 1995, Date of appointment 2004
David Griffin Hudson, PHD, Assistant Professor, Physical Therapy, MS, University of Delaware, 1999, BS, Ithaca College, 1989, PHD, University of Delaware, 2004, Date of appointment 2007
Marnie T Huff, PHD, Interim Dean & Professor, Health & Human Sciences, BA, University of North Carolina -Asheville, 1983, MSW, University of Georgia, 1986 University of South Carolina, 1998, Date of appointment 1998
Carmen Louise Huffman, PHD, Assistant Professor, Chemistry & Physics, PHD, University of Maryland College Park, 2005, BS, University of Rhode Island, 2001, Date of appointment 2005
Scott W Huffman, PHD, Assistant Professor, Chemistry & Physics PHD, University of Rhode Island, 2001, MS, University of North Carolina Wilmington, 1997, BS, University of North Carolina Wilmington, 1994 Date of appointment 2005
Cynthia Carvelis Hughes, PHD, Assistant Professor, Criminology & Criminal Justice, PHD, Florida State University, 2007, Date of appointment 2009
Jeremy Hyman, PHD, Assistant Professor, Biology, BA, University of Chicago, 1993, PHD, University of North Carolina Chapel Hill, 2001, Date of appointment 2006
Sharon Lee Jacques, PHD Associate Professor, School of Nursing, PHD, University of Texas Austin, 1995, MS, University of Colorado Boulder, 1974, BS, Indiana University Bloomington, 1965 Date of appointment 1974
Kathy M Jaqua, PHD, Associate Professor, Mathematics & Computer Science, PHD, Washington State University, 1994, BS, East Tennessee State University, 1981, MS, Oregon State University, 1990, Date of appointment 1994


Jon C Jicha, MFA, Professor, School of Art & Design, MFA, Kent State University, 1976, BFA, Kent State University, 1972, Date of appointment 1984

Ann Putnam Johnson, EDD, Professor, School of Nursing, EDD, University of Tennessee Knoxville, 1989, MSN, University of Tennessee Knoxville, 1983 BSN, Western Carolina University, 1982, Date of appointment 1986

Paul Douglas Johnson, PHD, Associate Professor, Management, PHD, Oklahoma State University Stillwater, 2010, Date of appointment 2010

Ronald A Johnson, PHD, BB&T Distinguished Professor, Entrepreneurship, PHD, Stanford University, 1980, MA, Stanford University, 1979, BA, Adelphi University, 1974, MBA, Adelphi University, 1975, Date of appointment 2007

Julie Tracey Johnson-Bushin, PHD, Associate Professor, Sales and Marketing, PHD, Georgia State University, 1996, BSBA, Southeastern Louisiana University, 1996, MS, Georgia State University, 1996 Date of appointment 1996

Cheryl Anne Johnston, PHD, Assistant Professor, Anthropology & Sociology, PHD, Ohio State University Columbus, 2002, MA, Ohio State University Columbus, 1991, BS, North Carolina State University Raleigh, 1986, BA, North Carolina State University Raleigh, 1985, Date of appointment 2005

Anne Marie Jones, DNSC, Visit Assistant Professor, School of Nursing, BSN, University of North Carolina Chapel Hill, 1982, MSN, University of Texas Health Science Center Houston, 1989 Date of appointment 2005

Daniel S Jones, Asst Professor, Geosciences & Natural Resources, BS, Sonoma State University, 2005, BS, Arizona State University, 1991 Date of appointment 2010

Elizabeth Hunt Jones, PHD, Associate Professor, Accounting, PHD, Indiana University Bloomington, 1988, MS, University of Memphis, 1983, MBA, Indiana University Bloomington, BS, University of Illinois Urbana, 1976, MBA, Indiana University Bloomington, 1987, Date of appointment 1994

Gary H Jones, PHD, Associate Professor, Bus Administration & Law PHD, University of Southern California, 1997, MA, University of Southern California, 1986, MA, University of Southern California, 1991, BS, Bradley University, 1974, Date of appointment 2002

Jonathan Luther Jones, MAED, Assistant Professor, Department of Stage & Screen, MAED, Western Carolina University, 1982, BA, Western Carolina University, 1974, Date of appointment 2002

Kathleen Topolka Jorissen, PHD, Assistant Professor, Educational Leadership & Foundation, PHD, University of Minnesota Minneapolis, 2000, BS, University of Minnesota Minneapolis, 1968, MA, University of Minnesota Minneapolis, 1979, Date of appointment 2006


Norman Leroy Kauffman, PHD, Professor & Department Head, Accounting, MBA, University of Montana, 1978, BS, Eastern Mennonite University, 1977, PHD, Ohio State University Columbus, 1988, Date of appointment 1994

Elizabeth A Kelly, MA, Visiting Lecturer, English, MA, Western Carolina University, 2001, BA, Piedmont College, 1996, Date of appointment 2002


Clifford D Kinard, MARCH, Assistant Professor, Construction Management, BS, Clemson University, 1980, MARCH, Clemson University, 1990, Date of appointment 2008

Jerry Lee Kinard, DBA, Professor & Department Head, Management, DBA, Mississippi State University, 1971, MBA, University of Louisiana Lafayette, 1966, BBA, Southern Arkansas University Magnolia, 1964, Date of appointment 1994

Terry L Kinnear, DBA, Associate Professor, Management, DBA, Kent State University, 1981, BBA, Cleveland State University, 1973, MBA, Cleveland State University, 1975, Date of appointment 1979

David Andrew Kunner, PHD, Assistant Professor, Geosciences & Natural Resources, PhD, University of Colorado Boulder, 2003, BA, Amherst College, 1996, MS, University of Colorado Boulder, 1999, Date of appointment 2006

Brent Kinser, PHD, Assistant Professor English, PHD, University of North Carolina Chapel Hill, 2005, MA, Illinois State University, 2000 BA, Illinois State University, 1998, Date of appointment 2005

Brian Donald Kleoppe, PHD, Associate Professor, Geosciences & Natural Resources, PhD, University of Wisconsin Madison, 1998, MS, Penn State University-University Park, 1992, BS, University of Wisconsin Madison, 1989, Date of appointment 2008

Phillip B Kneller, MS, Associate Professor & Department Head, School of Health Sciences MS, George Washington University, 1980 BS, University Maryland College Park, 1970, Date of appointment 1993

H Gibbs Knotts, PHD, Associate Professor & Department Head, Political Science & Public Affairs, PHD, Emory University, 2000, BA, University of North Carolina Chapel Hill, 1993, MA, Emory University, 1997, Date of appointment 2000
Jill Ann Manners, MS, Associate Professor, School of Health Sciences, MS, West Virginia University Morgantown, 1995, BS, Ithaca College, 1993, Date of appointment 2004

Jim Manning, PHD, Associate Professor, Communication, PHD, University of Georgia Athens, 1998, MFA, City University Ba/Bs Program, 1992, BA, Carroll College, 1981, MA, University South Carolina Columbia, 1985, Date of appointment 1998

Charles F Martin, PHD, Visit Assistant Professor, Chemistry & Physics, PHD, University of Wisconsin Madison, 1988, BS, Duke University, 1983 Date of appointment 2003

Bradley Edward Martin, MM, Assistant Professor/Director, School of Music, MM, University Michigan Ann Arbor, 1998, BM, University of Western Australia, 1988, Date of appointment 2002

Thomas Hanson Martin, PHD, Associate Professor, Biology, PHD, North Carolina State University Raleigh, 1990, BS, Lincoln Memorial University, 1980, MS, East Tennessee State University, 1986, Date of appointment 2001

William Robert Martin, DMA, Assistant Professor, School of Music, DMA, University of North Carolina Greensboro, 1993, BM, Northwestern University, 1974, MM, Northwestern University, 1976, Date of appointment 2001

Karen A Mason, PHD, Associate Professor, Criminology & Criminal Justice, PHD, University of Tennessee Knoxville, 1999, MA, University of Tennessee Knoxville, 1995, BA, Lenoir-Rhyne College, 1992, Date of appointment 2005

Katherine Gould Mathews, PHD Associate Professor, Biology, PHD, University of Texas Austin, 1997, BA, Harvard University, 1992, Date of appointment 2003

Mark Eric Matthes, MA, Assistant Professor, Communication, MA, Southern Illinois University Carbondale, 2003, BA, Ball State University, 1984, Date of appointment 2008

Ronald R Mau, PHD, Assistant Professor, Construction Management, MBA, University of Kansas, 2001, BS, University of Kansas, 1988, MS, University of Kansas, 1989, PHD, University of Kansas, 2007, Date of appointment 2005

Jamaal Lennart Mayo, , Instructor, Office of Athletic Programs, BS, Western Carolina University, 2003, Date of appointment 2006

David Mark McCord, PHD, Professor & Department Head, Psychology, MA, Western Carolina University, 1979, PHD, University of Alabama Tuscaloosa, 1984 BA, Duke University, 1972, Date of appointment 1989


Mason C McDowell, MSN, Assistant Professor, School of Nursing, BSN, University of Florida, 1994, MSN, Virginia Commonwealth University, 2000 Date of appointment 2008

James Morse McLachlan, PHD, Professor Philosophy & Religion, PHD, University of Toronto, 1989 MA, Indiana State University Terre Haute, 1981, BA, Brigham Young University, 1980, Date of appointment 1989

Ern K McNels, PHD, Associate Professor, Mathematics & Computer Science, PHD, Clemson University, 2002, BS, College of Charleston, 1993, MS, Clemson University, 1996, Date of appointment 2002

Robert McMahan, PHD, Dean, Kimmel School, AB, BS, Duke University, 1982, PHD Dartmouth University, 1986, Date of appointment

Sue L McPherson, PHD, Professor, Physical Therapy, PHD, Louisiana State University Baton Rouge, 1987, MED, Georgia Southern University, 1978, BSED, Georgia Southern University, 1977, Date of appointment 1992

Elizabeth G McCae, PHD, Assistant Professor & Department Head, History, PHD, University of Georgia Athens, 2003, MAED, Marymount University, 1991, BA, Wake Forest University, 1989, MA, Western Carolina University, 1996, Date of appointment 2000

Justin Memchelli, PHD, Associate Professor, Health, Physical Education & Recreation, PHD, Louisiana State University Baton Rouge, 2004, BS, Suny College Cortland, 1991, MAED, Western Carolina University, 1995, Date of appointment 1999


Charlene Merritt, MS, Director of Disaster Management/Asst Professor, Criminology & Criminal Justice, MS, Michigan State University, 1983, BA, Michigan State University, 1976, Date of appointment 2003

Sharon E Metcalf, EDD, Assistant Professor, School of Nursing, EDD, North Carolina State University Raleigh, 1997, MSN, University of Colorado Denver, 1981, MS, University of Colorado Denver, 1983, BSN, University of Colorado Denver, 1977, Date of appointment 1996

Ron C Michaels, PHD, Visit Assistant Professor, Biology, PHD, Vanderbilt University, 1983, BA, Muhlenberg College, 1977, Date of appointment 2004

Niall Guy Michelsen, PHD, Associate Professor/Assoc Dean, Office, Dean, Arts & Sciences, PHD, University of North Carolina Chapel Hill, 1990, BA, University of Chicago, 1976, MA, University of North Carolina Chapel Hill, 1984, Date of appointment 2001


Jerry R Miller, PHD, Distinguished Professor, Geosciences & Natural Resources, PHD, Southern Illinois University, 1990, BS, Southern Illinois University, 1982, MS, University of New Mexico Albuquerque, 1985, Date of appointment 2000

Stephen C Miller, PHD Assistant Professor, Economics, PHD, George Mason University, 2006, BS, Towson University, 2001, Date of appointment 2006
Sandra Mae Saunders, PHD, Visiting Assistant Professor, English, PHD, Florida State University, 1995, BA, Western Carolina University, 1979, MA, Wake Forest University, 1995, Date of appointment 1996

Peter G Savage, MFA, Lecturer, Department of Stage & Screen, MFA, University of North Carolina Chapel Hill, 2001, BA, University of Montana, 1998, Date of appointment 2004

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